		SESC Plan	Inspection Report	
		Proj	ect Information	
Name			Former Ciba-Geigy	Facility
Location		180 Mill St, Crar	nston, RI (Plat 4, Lof 11	(02)
DEM Perm	nit No.	18-0048 / RI		
Site Owne	r	Name Joseph Guarnaccia	Phone	Email
Site Opera	ntor	Name Juson Oliver	Phone	joseth.guarnaccialbast.
			ction Information	
Inspector	Name	Aaron C. Ting	Phone 978-577-7138	Email Otion Propings It -
Inspection	1	9/18/19	Start/End Time 0 7:00 /07:	ating eaeiconsultants
Inspection		-storm event During st		
		3	orm event	t 🖸 Other
Last Rain I	1.	Duration (hrs):	Approximate Rainfall (in):	
Thend	e Location & S	Source:	tate Ai-port AI	M/A
Weather at	time of this in	spection:	ic might his	

Check/stat	ement that ap	olies then sign and date bel	ow:	
QI, as the	designated Ins	Spector, certify that this site	e has been inspected as required are not required at this time.	by regulation and I have
☐ I, as the made the d	designated Ins	spector, certify that this site	has been inspected as required tive actions. The required corrective	l by regulation and I have ctive actions are noted within
Inspector:	Joseph	Orebanm Joseph	oh D. Drelaum	Date 9/18/19
	corrective acti	euues mai an recommende	e, the receipt of this SESC Plan i d corrective actions must be con aspection report per applicable r	inspection report and its
Operator:	Print Name	OLIVIER Signature	M	Date 9.18-19
		1		1

Site-specific Control Measures

Number the structural and non-structural stormwater control measures identified in the SESC Plan and on the SESC Site Plans and list them below (add as necessary). Bring a copy of this inspection form and any applicable SESC Site Plans with you during your inspections. This list will assist you to inspect all control measures at your site. FILL THIS TABLE USING THE SESC PLAN TABLES 2.11 & 3.12.

	Location/Station	THE SESC PLAN TABLES 2.1 Control Measure Description	Installed & Operating Properly?	Assoc. Photo/ Figure #	Corrective Action Needed (Yes or No; if 'Yes', please detail action required)
1	Construction Size exitinclud	PIDOT Std Specs.	□Yes 望No		No importal soils
	decon. pad	el Soil Brosion and Sed. control book		6	heins brought on or off site site cup in place
2	Project-wide including material strokpiles	Penmeter - compost filter socks (Rider 9.2.0 Stockpiles_hal/bales RDOT Std Spec-204, 212	□Yes □No		no stockples, filter socks being maintain along rivermay and I restoration complete
3	Project-wide including material stockpiles	RI SESC Handbook Water for dust Control/cover Stockpiles RIDOTSTOLSPEC RISESC Houndbook	□Yes □No		Cap in place no stock priles ousite
4	Adjacent roads	Roads adjacent to construction site 6hall be clean at the end of each day	□Yes □No		hy crashed rock Pad, no soil loads leaving site
5	Project-wide	Pickup construction trash/debois	□Yes □No		Good House Georging masser
6	Project-wide	Spill prevents on / Spill containment measures	□Yes □No		spill continuent andriels onsite if needed in conex Rox
7			□Yes □No		
8			□Yes □No		

PROJECT: 180 Mill St Cranslan RI INSPECTION DATE: 9/18/19

General Site Issues

Below are some general site issues that should be assessed during inspections. Please customize this list as needed for conditions at the site.

	Compliance Question		Assoc. Photo/ Figure #	Corrective Action Needed (If 'Yes', please detail action required
1	Have all control measures been installed as specified in the RISESC Handbook and prior to any earth disturbing activities?	ØYes □No □ N/A	глумго т	and include location/station)
2	Are appropriate limits of disturbance (LOD) established?	☑Yes □No □ N/A		
3	Are controls that limit runoff from exposed soils by diverting, retaining, or detaining flows (such as check dams, sediment basins, etc.) in place?	MYes INO IN/A		
4	Are all temporary conveyance practices installed correctly and functioning as designed?	□Yes □No □N/A		
5	Has maintenance been performed as required to ensure continued proper function of all temporary conveyances practices?	□Yes □No □YN/A		
6	Were all exposed soils seeded by October 15 th ?	□Yes □No □N/A		
7	Have soils been stabilized where earth disturbance activities have permanently or temporarily ceased on any portion of the site and will not resume for more than 14 days?	□Yes □No □ N/A		
В	In instances where adequate vegetative stabilization was not established by November 15th, have non-vegetative erosion control measures must be employed?	□Yes □No □ N/A		
9	If work is to continue from October 15th through April 15th, are steps taken to ensure that only the day's work area will be exposed and all erodible soil is stabilized within 5 working days?	□Yes □No □ N/A		
10	Have inlet protection measures (such as fabric drop inlet protection, curb drop inlet protection, etc.) been properly installed?	□Yes □No □'N/A		
11	Has the operator cleaned and maintained inlet protection measures when needed?	☐Yes ☐No ☐ N/A		
12	Has the operator removed accumulated sediment adjacent to inlet protection measures within 24 hours of detection?	□Yes □No □∕n/A		

	Compliance Question		Assoc. Photo/ Figure #	Corrective Action Needed (If 'Yes', please detail action required and include location/station)
13	Has the operator properly installed outlet protection (such as riprap, turf mats, etc.) at all temporary and permanent discharge points?	□Yes □No □ N/A		
14	Are all outlet protection measures functioning properly in order to reduce discharge velocity, promote infiltration, and eliminate scour?	□Yes □No □ N/A		
15	Have all discharge points been inspected to ensure the prevention of scouring and channel erosion?	□Yes □No		
16	Have sediment controls been installed along perimeter areas that will receive stormwater from earth disturbing activities?	☐Yes ☐No ☐/N/A		
17	Is the operator maintaining sediment controls in accordance with the requirements in the RI SESC Handbook?	□Yes □No □ N/A		
18	Have temporary sediment barriers been installed around permanent infiltration areas (such as bioretention areas, infiltration basins, etc.)?	□Yes □No □YN/A		
19	Have staging areas and equipment routing been implemented to avoid compaction where permanent infiltration areas will be located?	☐Yes ☐No ☐/N/A		
20	Are surface outlet structures (such as skimmers, siphons, etc.) installed for each temporary sediment basin? [Exception: frozen conditions]	☐Yes ☐No ☑ N/A		
21	Have all temporary sediment basins or traps been inspected and maintained as required to ensure proper function?	☐Yes ☐No ☐ N/A		
22	Does the project include the use of polymers, flocculants, or other chemicals to control erosion, sedimentation, or runoff from the site?	□Yes □No □ N/A		
23	Are all chemicals being managed in accordance with Appendix J of the RISESC Handbook and current best management practices?	□Yes □No □N/A		
24	Has the site operator taken steps to prohibit the following pollutant discharges on the site?			
а	Contaminated groundwater.	☑Yes □No □ N/A		

	Compliance Question		Assoc. Photo/ Figure #	Corrective Action Needed (If 'Yes', please detail action required and include location/station)
b	Wastewater from washout of concrete; unless properly contained, managed, and disposed of.	□Yes □No □YN/A		site include location/station)
С	Wastewater from washout and cleanout of stucco, paint, form release oils, curing compounds, and other construction products.	□Yes □No □YN/A		
d	Fuels, oils, or other pollutants used in vehicle and equipment operation and maintenance.	□Yes □No		
е	Soaps or solvents used in vehicle and equipment washing.	Yes ONo		
f	Toxic or hazardous substances from a spill or other release.	□Yes □No □N/A		
25	Is the operator using properly constructed entrances/exits to the site so sediment removal occurs prior to vehicles exiting?	ElYes □No □ N/A	10.57	
26	If needed, are additional controls (such as rumble strips, rattle plates, etc.) in place to remove sediment from tires prior to exiting?	□Yes □No □N/A		
27	Is sediment track-out being removed by the end of the same workday in which it occurs (via sweeping, shoveling, or vacuuming)?	☑Yes □No □ N/A		
28	Are all wastes generated at the site being managed and properly disposed of by the end of each workday?	□Yes □No □ N/A		
29	Are all chemicals and hazardous waste materials stored properly in covered areas and surrounded by containment control systems?	□Yes □No □-N/A		
30	Has the operator established highly visible locations for the storage of spill prevention and control equipment on the construction site?	©Yes □No □ N/A		
31	Are allowable non-stormwater discharges being managed properly with adequate controls?	□Yes □No □ N/A	7 - 93 - 9 - 9 - 9 - 9 - 9 - 9 - 9 - 9 -	
32	Is the site operator properly managing groundwater or stormwater that is removed from excavations, trenches, or similar points of accumulation?	□Yes □No □ N/A		
33	Are proper procedures and controls in place for the storage of materials that may discharge pollutants if	□Yes □No ☑ N/A		

Compliance Question		Assoc. Photo/ Figure #	Corrective Action Needed (If 'Yes', please detail action required and include location/station)
exposed to stormwater?			and molder location/station)
Are stockpiles located within the limits of disturbance?	□Yes □No □ N/A		
Are stockpiles being protected from contact with stormwater using a temporary sediment barrier?	☐Yes ☐No ☐ N/A		
Where needed, has cover or appropriate temporary vegetative or structural stabilization been utilized for stockpiles?	□Yes □No □ N/A		
Is the operator effectively managing the generation of dust through the use of water, chemicals, or minimization of exposed soil?	'⊡Yes □No □ N/A		
Are designated washout areas (such as wheel washing stations, washout for concrete, paint, stucco, etc.) clearly marked on the site?	□Yes □No		
Are vehicle fueling and maintenance areas properly located to prevent pollutants from impacting stormwater and sensitive receptors?	☐Yes ☐No ☐ N/A		
(Other)			

PROJECT: 190 M/ 5+ Craniton R] INSPECTION DATE: 9/18/19

General Field Comments:

Project:
BASF Facility
Cranston, RI
Date (9.18.19)

DAILY SAFE WORK FORM No._

SES, Sutton, MA (Page __ of __)

WED -	9)					
Servicing or M	aintenance \	Vork Description				
Description of V	Vork: CMI Im	plementation Project				
Start Date / Tirr	ie: (Date) (Tin	ne) 9.18:10 @ OLDO	Am			
Location of 1 Work	80 Mill Street	, Cranston, RI				
Strategic Envi	ronmental Se	rvices, Inc. (SES)				
Primary/Lead C	ompany Nam	e: SES				-
Contact Person	:					
Contact phone :	#					
Health and Saf	ety (H&S) Pi	an (HASP) Signatures				
briefing. All person required <u>daily</u> , and read, understood,	sung mat the H nnel participatin as otherwise d and will observe	ASP has been made available an g in the project must receive init semed necessary by the Site Hea o the contents of this HASP and i	and Salety Offental	ion. Increan	ier, a taliqate safety	or daily H&S meeting is les that he has
The second second	AND INCOMINE		Saily date Work Portiti Wigh Pr	e-rask Plann	ling Form.	A
Date	Name of At	tendee (Print)	Company		Initials	
9.18.19	JAUSON	O CLIUS R	585		AD	
9-19-19	JOHO	LEI GHTON	585		17/	
1 1 0 1	Tommy	CAVANAUGH	RoI		Te	
7-18-19	Toe	HETUGE,	SES			
7-18-19	Brinda	Slene	SES		JH BS	
9-18:16	A. Pire	550		NATIONAL GUID SES		
1/18/19	1.0set					
1118/19	KEUZ		SES			
11.8119	1205	Meddack	SES		BOU	
	-					
	-					1.0
	 					
	1					
isitor Log	·					
is SES's policy the omply with Health he Designated Site	Supervisor sha	furnish their own personal prote requirements. If the visitor repre Il also immediately notify HSC.	ective equipment. All visitors esents a regulatory agency co	are required oncerned wit	to sign the visitor l h site health and sa	og and afety issues,
lame of Visitor (Print)	Company Name	Date of Visit	Signatu	ıre	
				-		
				-		
The Polymer Control						

Project: BASF Facility Cranston, RI Date (タット・(タ)	DAILY SAFE WORK FORM	SES (Page of)

Project:
BASF Facility
Cranston, RI
Date (9,1819)

DAILY SAFE WORK FORM

SE	S	
(Page _	_of)

			-			
Type	of Equi	ipment/Vehicles/Motorized Equipment				
DI	Field Se	ervice Trailer	7 1	Dell of T		
-	Excavat		_	Roll-off Tractor Truck		
-	Loader		-	Roll-off containers		
-	Track D	ozer	_	Dump Truck/Triaxle		
0	Skid Ste	eer Loader	_	Dump Trailers		
-	Frac Ta		-	Pickup Utility Trucks		
-	Generat			Sump Pump Trench Box		
The second second	Water B	The state of the s				
-	Sawzail		7	laOH Storage Tank		
		T W	1	Other (list) CAMPACTOR		
This	work als	so requires the use of the permits or doc	ume	prite chacked below	_	
⊠ P	ROJECT	-SPECIFIC HASP	COLLEGE	sitis checked below		
	OCK-OU	T, TAG-OUT PERMIT			4	
⊠ P	RE-TAS	K PLANNING FORM			-	
□ C	ONFINE	D SPACE ENTRY PERMIT			4	
	THERS	(LIST)			4	
-					_	
Antic	ipated F	Project Risks and Hazards Identification	Ide	ntify the source/s used and include necessary specific	-	
-	110000000000000000000000000000000000000	os sany i te rask i lan loi day-specific inio	rma	tion)		
used	N/A	Source		Specific Risk or Hazard that needs to be addressed	-	
X	-	Pre-work Inspection of the work site		See SES HASP		
X	-	MSDS review / includes any 'new' chemica	als	MSDS Sheets Provided in HASP		
	X	Crane Operations			-	
V	X	Elevated Work			-	
X	-	nvironmental Conditions		See SES HASP	-	
	V	Heavy Powered Mobile Equipment Use		Excavators to load soil into trucks, truck traffic	-	
X	X	Language / Communication Difficulties			_	
^	X	Materials to be used		See Pre-Task Plan	-	
	X	Overhead Work / Rigging				
X	1^	Special Equipment to be used Trenching / Excavation				
	X	Utilities System tie-in / restrictions		See SES HASP		
Х	1	Other Risks or Hazards				
	ipated P	Project Required Precautions & Protective	. 8.5	PCB/VOC-contaminated soils; Sodium Persulfate		
addre	ssed (S	see Daily Pre-Task Plan for day-specific info	e IME	Be sure that each identified Risk or Hazard is	1	
Need	N/A	Area	uma			
X		Access & Egress Plans (People & Equipm	2006	Specific measures that are required		
-	X	Barricades needed	ieiit) To be developed on site with SES work crew		
	X	BASF equipment / materials to be used			1	
	X	Electrical safety equipment required	-		1	
	X	Elevator use			1	
Х		Emergency Equipment		See SES HACE	1	
X		Emergency Plans / Emergency Responde	or.	See SES HASP	1	
	X	Fall protection	31	See SES HASP	1	
X	1	First Aid / Medical Treatment provisions	-	Coo CEC HACD	1	
	X	HOT WORK Procedure requirements		See SES HASP	1	
	X	HVAC System requirements			1	
	X	LINE-BREAKING procedure requirements			Ц	
	1-7-	T Di La la la procedure requirements	>		1	

Project:	
BASF Facility	
Cranston, RI	
Date (9 18 19)	

Respirator

Dust Mask

Tyvek Suits

Eyewash Station

Other PPE (list)

☐ Half-mask

Fire Retardant Electrical Clothing

X

X

X

X

DAILY SAFE WORK FORM

SE	ES	
Page _	_of_	_)

☐ Rubber ☑ Other

Retrieval System for Confined Spaces

with steel shank

Welding Protection

Mobile phone or radios

Insect repellent, sunscreen

Boots

	X	Scaffolds / decking			
X		Temporary electrical power		0	
	X	Temporary Utilities services	See SE	S HAS	P
X		Trench / Excavation Boxes	0.00		
		Other Requirements	See SE	S HAS	P
Requ ☐ PF	PE GRI	ersonal Protective Equipment (PPE) Identify the	source/s	sed an	d check the appropriate boxes
ES	PE GRI	ITEM	III VVOIR	Provide	er Knowledge
ES	PE GRI	ITEM Hardhat (either) □ Fiberglass ☒ Plastic	Source/s UNORK	NO	er Knowledge ☐ Prior SWP Item
ES	PE GRI	ITEM Hardhat (either) □ Fiberglass ☒ Plastic	III VVOIR	NO X	Prior SWP Item Rain Suit □ Jacket □ Pants
ES	PE GRI	ITEM Hardhat (either) □ Fiberglass ☒ Plastic Safety Glasses, ANZI-rated, side shields	III VVOIR	NO	Prior SWP Item Rain Suit □ Jacket □ Pants Chemical Suit □ Jacket □ Pants
(ES	NO	ITEM Hardhat (either) □ Fiberglass ☒ Plastic Safety Glasses, ANZI-rated, side shields Goggles □ Chemical □ Dust	YES	NO X	Prior SWP Item Rain Suit □ Jacket □ Pants Chemical Suit □ Jacket □ Pants
Requi	NO X	ITEM Hardhat (either) □ Fiberglass ☒ Plastic Safety Glasses, ANZI-rated, side shields	III VVOIR	NO X X	Prior SWP Item Rain Suit □ Jacket □ Pants

X

X

X

X

T-1-1			- Indiahan	High-visibility, reflective vest
rainii	ng Keq	uirements		
Need	N/A	Area		
X		BASF Safety Orientation (if required)		
X		MSDS Reviews		
X		Review of precautions listed above per	CECHAOD	
X		Review of required PPE	SES HASP	
		Other training (specify) -		

☐ Full-face

Project: BASF Facility Cranston, RI Date (日山島)	DAILY SAFE WORK FORM		SES (Page of)
STRATEGIC ENVIRONMENTAL SERVICES	PROJECT / JOB / TASK (Description): BASF Cranston/CMI Implementation	180 Mill Street,	DATE
PRE-TASK PLAN (PTP)	SES SUPERVISOR:	Cranston, RI	

Note: SES Daily Report Forms are completed daily (see attached), documenting work progress, equipment, personnel, weather, issues encountered and resolution, health and safety actions/issues, changes in work conditions, client interface.

	ist (Check off AND Circle today's activities) Task 1 - Permitting
]	
3	Task 2 – Mobilization/Site Prep/Road & Decontamination Road Installation/Erosion Controls Task 3 – Excavation/Decontamination/Soil Steels Billing (Soil Steels Billing)
	Task 3 – Excavation/Decontamination/Soil Stock Piling/Loading/ISCO/Dewatering/Liquid Management
Z	Task 5 – Backfilling and Grading/Geotextile and Vegetation Placement
	Task 6 - Demobilization

I WHOLE D.		ecommended Actions o	Procedures	
Activities (Check Each)	Task Number(s)	Hazards	Relative Hazard /Risk Rating*	Hazard Controls Mechanism and/or JSA (See HASP)
	3	Chemical Hazards	NA□ Low□ Medium⊠ High□	B1 Chemical: JSA 10
Ø	3,4,5	Dust/Fumes/Particulates	NA□ Low□ Medium⊠ High□	
Ø	3,4,5,6	Job Zone Control	NA□ Low□ Medium⊠ High□	B2 Dust: JSAs 1,2,4,5,6
	3,4,5,6	Heat	NA□ Low□ Medium⊠ High□	B3 Job Zone Control; All JSAs
	3,4,5,6	Cold	NA□ Low□ Medium⊠ Figh□	B4 Heat: All JSAs
	1,3,4,5,6	Severe Weather		B5 Cold; All JSAs
d	3,4,5,6	Walking/Working Surfaces	NA□ Low□ Medium⊠ High□	B6 Severe Weather: All JSAs
		waiking/working Surfaces	WA□ Low□ Medium⊠ High□	B7 Safe Walking Surfaces and Work Areas: JSA 1,3,4,7
Ø	4,5,6	Noise	NA Low Medium High	B8 Noise: All JSA's
	5,6	Live Electrical Equipment	NA□ Low⊠ Medium□ High□	B14 Live Electrical Equip: JSA 5,6,9
	4,5	Poor Lighting	NA□ Low⊠ Medium□ High□	B7 Safe Walking Surfaces and Work Areas; JSA 1,3,4,7
	4,5,6	Overhead Hazards	NA□ Low⊠ Medium□ High□	B15 Overhead Hazards: JSA 2,5,6
0/	3,4,5,6	Traffic Management (Vehicle, pedestrian interference)	NA□ Low□ Medium⊠ High□	B17 Traffic Management: All JSA
ď	5,6	Heavy machinery/drill rigs	NA□ Low□ Medium⊠ High□	B18 Heavy Machinery: JSA 4,5
	5,6	Trenching/Excavation	NA⊠ Low□ Medium⊠ High□	B19 Trenching/Excavation: JSA
Z	1,3,4,5,6	Vehicle use	Brain .	4,5,6,8
	2,3	Work near/on water	William	B20 Vehicle Use: All JSA
77	4.5			B21 Work Near/On Water: JSA 1
	4,5	Elevated heights (<4ft)	NA□ Low⊠ Medium□ High□	B22 Working from Heights (<4

Cranst	DAILY SAFE WORK FORM (Page (Pa		DAILY SAFE WORK FORM		
	4,5	Elevated heights (>4ft)	MACI LOWER MANY		
	5,6	Overhead/underground	NA□ Low⊠ Medium□ High□	B23 Working from Heights (feet)	
D	4,5,6	utilities Powered hand tools	NA□ Low□ Medium⊠ High	B24 Overhead/Underground Utilities: JSA 1,3,4	
0	4,5,6	Electrically powered	NA□ Low⊠ Medium□ High□	B25 Electrically Powered Equipment and Tools: JSA 9	
	4,5,6	equipment Cutting devices/tools	NA□ Low⊠ Medium□ High□	B25 Electrically Powered Equipment and Tools: JSA 9	
	4,5		NA□ Low□ Medium⊠ High□	B26 Cutting Devices/Tools; JSA 9	
d	3,4,5,6	Drums, cylinders, containers	NA□ Low⊠ Medium□ High□	B1 Chemical: JSA 4	
		Material handling, ergonomics	NA□ Low□ Medium⊠ Hori□	B29 Material Handling/Ergonomics: JSA	
	3,5,6	Poisonous/irritating plants	NA□ Low⊠ Medium□ High□	2,6,7,9 B32 Plants and Animals: All	
	4,5,6	Insects/rodents/snakes	NA□ Low⊠ Medium□ High□	B32 Plants and Animals: All	
2/	3,5,6	Ticks, mosquitos	NA□ Low⊠ Medium□ High□	B32 Poisonous Plants	
	1,3,4,5,6	Employees working early/late	NA□ Low⊠ Medium□ High□	Animals, and Insects; All JSA	
]	Note: A single ha evaluated as the	izard may be listed under several T	asks. In this case, use the highes	st Severity ranking of the tasks	
	or Any Additional A	Activities, And Associated Health	and Safety Risks and Protective	e Procedures/Equipment:	

BASF 180 Mill Street, Lot 1102 Cranston, RI

Date	Name	Company Name	Time In	Time out
91819	Tommy CAVANAUGH	RoI	700	2.60
9.18.19	JASON DLIVER	SES.	6:00	4:00
9.18.19	JOHN LEIBHTON	SES	6:00	4:00
9-18-19	Joe Hetner	SES	6:00	3:05
7-18-19	Braden Steney	SES	7:00	3:15
9.18.19	AMRES	NATIAM WID	7:20	7:40
1/18/19	Joseph Drehunn	AEI	7 20	13.50
118/19	KENTAN SLUEENEY	SES	830	315
18/19	Sob Maldet	SES	1204	1300
				- 550
	144.5			

Project: BASF, Lot 1102 Submitted By: Joseph Drebaum

180 Mill Street Signature: Oranston, RI Date: 9/19/2019

DAILY PROJECT REPORT

Submitted By: Joseph Drebaum

Signature: 9/19/2019

Consultants

	Cranston, RI Weather: Sunny		Date:	9/19/2019	Constituits
				Daily Precipitation: <u>0.0"</u>	Temp: <u>68/44</u> (Hi - low)
PERSONNEL	/EQU	IPMENT			(Fill TOW)
Contractor	No.	_		Owner/Representativ	/e:
		Superintendent		2177120	
	1	Foremen	SES		
		H&S/QA Officer		AEI Personnel:	J. Drebaum 1
	_ 4	Operators	SES		
	1	Laborers	SES		
		Other Trades (Surveyor)			
SubContractor	No.	Company/Firm		Visitors On Site:	
				Bob Ma	addock (SES)
					s (National Grid) (Digcafe)
		Total Personnel On Site			
MAJOR EQUI	DME	MT.		L	
Skidsteer T590		United G25 T45 Generator			EQUIPMENT/MATERIALS RECEIVED:
Mini CAT E35i		Loader 470		75-171	Loam (8 Loads) Total Quantity = 240 Yards
Dozer CAT D5k	(Concrete (1 load)
Roller Dyna PA					Total Quantity = 3 Yards
					Total Qualitity – 3 Talus
WORK COMP	LETE	D:			
shored up with gate, allowing	and c plyw a road	crushed stone. 8 loads (124 Yard ood to prepare for concrete pou	ds) of Loam Material o Ir. Concrete poured a	lelivered, 1 load conc nd allowed to set up o	strian walkways. Pedestrian pathways layed rete (3 yards) delivered. Concrete sewer vault overnight. Loam spread out towards norht vel and rod. All personell not onsite at start of
HEALTH & SA					
AEI has review procedures and AEI Signature	cont	ent of SES's HASP,"	an for today, and ver	ifies, by signing below	v, that these documents comply with the
ISSUES/CHA	NGES	/RESOLUTIONS:			
N/A					
	S/CL	IENT DIRECTION:			
N/A					

BASF 180 MHI Street, Lot 1102 Cranston, RI

Date	Name	Company Name	Time In	Time out
9.19.19	JAYSON OLWER	5 12 S	0600	1730
9119119	JOHN LEIGHTON	565	0600	1730
9 19 19	707 7 67 67 117 3021	4 ROI	7.00	1400
9-19-19	Joe Kefner	SES	6:30	2:30
9-19-19	Brandan Stane	SES	7:00	2 30
9-19-19	KENTNSWEENEY	SES	715	1200
9-19-19	Joseph Drelann	AEI	700	17:00
			-	

Project:
BASF Facility
Cranston, RI
Date (9.19.19)

DAILY SAFE WORK FORM No._

SES, Sutton, MA (Page __ of __)

Date (4.19.19				
THURS.				
Servicing or Ma	nimbanana M	V		
Description of W	ork: CMI Im	Vork Description Dementation Project		
Start Date / Time	e (Date) (Tim			,
Location of 18	80 Mill Stroot	(Cranston, RI)	
Work	oo wiii Street,	Clansion, Ri		
Strategic Envir	onmental Se	rvices, Inc. (SES)		
Primary/Lead Co	ompany Name	e: SES		
Contact Person:				
Contact phone #	<u> </u>			
Health and Cof-		4110		
Sign-off sheet attes	ting that the M	n (HASP) Signatures		
briefing. All person	nel participating	in the project must receive init	d reviewed by the individual p	orfor to entry into the site, and/or daily H&S don. Thereafter, a tallgate safety meeting is
required daily, and	as otherwise de	emed passages by the Ole II	and Salety Oriental	ion. Thereafter, a tailgate safety meeting is
Health and Safe	ind will observe	the contents of this HASP and i	Daily Safe Work Form with Pr	e-Task Planning Form.
Date	ry meaning			
9.19.19		endee (Print)	Company	Initials
9.19.19	JASON	DLIVER	SES	01
9 19 19	TOUR	LEIBN TON	SES	OPL
9-19-19	Joe	CANANHUGH	ROI	TC
9-19-19	B. wolan	Hetner	253	SH
9-19-19	KEVIN	Sienay	SES	FS.
9-19-19	Doseph	Drebnym	Ses	- KR
	USEAL	1) thuya	VET	45
Martan I	-			
Visitor Log	é selette en manuel é			
comply with Health a	and Safety Plan	urnish their own personal prote	ctive equipment. All visitors a	are required to sign the visitor log and oncerned with site health and safety issues,
the Designated Site S	Supervisor shall	also immediately notify HSC.	sents a regulatory agency co	ncerned with site health and safety issues,
Name of Visitor (F	Print)	Company Name	Date of Visit	Signature
				Oignature

DAILY SAFE WORK FORM	SES (Page of)
	DAILY SAFE WORK FORM

Project:
BASF Facility
Cranston, RI
Date (9.19.19)

DAILY SAFE WORK FORM

SE	S
(Page _	_ of)

Per annual page and					_			
Tuno	of East	imment(Makista-198-4-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-	-		Ĩ			
I I	Field Sc	ipment/Vehicles/Motorized Equipment						
	Excavat	Land		ractor Truck	Ĩ			
	Loader	L.J	THE RESERVE THE PERSON NAMED IN	ontainers	_			
-	Track D			uck/Triaxle				
-			Dump Tr		-			
-	-	eer Loader	The second name of the second	tility Trucks	7			
-	Frac Ta General							
-	The state of the s							
-	Water B	the state of the s	NaOH S	NaOH Storage Tank				
	Sawzail		Other (lis	t) Consector	~			
Thie	made al				-			
M D	DO IECT	so requires the use of the permits or docu r-SPECIFIC HASP	ments che	ked below				
	JONEO!	T, TAG-OUT PERMIT						
N D	DE TAS	K PLANNING FORM						
7	ONEINE	D CRACE ENTRY DEPART						
	THERS	D SPACE ENTRY PERMIT						
<u> </u>	THERS	(rio1)						
Antic	inated I	Project Picks and Hand 1 1) 475						
inforn	nation (S	See Daily Pre-Tack Plan for day appoint	dentify the	ource/s used and include necessary specific	_			
Used	man le	See Daily Pre-Task Plan for day-specific infor Source	nation)					
X	114/1		Spec	Specific Risk or Hazard that needs to be addressed				
X	-	Pre-work Inspection of the work site		SES HASP				
	X	MSDS review / includes any 'new' chemical Crane Operations	icals MSDS Sheets Provided in HASP					
	X	Elevated Work						
X	 	Environmental Conditions						
X	-	Heavy Powered Mobile Equipment Use		SES HASP				
	X	Language / Communication Difficulties		vators to load soil into trucks, truck traffic				
X	1	Materials to be used						
	X	Overhead Work / Rigging	See	re-Task Plan				
	X	Special Equipment to be used						
X		Trenching / Excavation						
i	X	Utilities System tie-in / restrictions	266 5	See SES HASP				
X	1	Other Risks or Hazards	Done	I BOD DOGG				
THE RESERVE THE PERSON NAMED IN	pated P	roject Required Precautions & Protective	PCB/	VOC-contaminated soils; Sodium Persulfate				
addres	ssed (S	see Daily Pre-Task Plan for day-specific info	weasures	Be sure that each identified Risk or Hazard is				
Need	N/A	Area		Ct.	1			
X		Access & Egress Plans (People & Equipm	opeci	fic measures that are required	1			
	Х	Barricades needed	10 06	developed on site with SES work crew	1			
-	X	BASF equipment / materials to be used	-		1			
	X	Electrical safety equipment required			1			
	X	Elevator use			1			
X		Emergency Equipment	0	ES HASD	1			
X		Emergency Plans / Emergency Responder	THE RESERVE THE PERSON NAMED IN COLUMN TWO IS NOT THE OWNER.	ES HASP	1			
	X	Fall protection	266 2	ES HASP				
Х	1-	First Aid / Medical Treatment provisions		PO ULOD				
	X	HOT WORK Procedure requirements	See S	ES HASP				
	X							
	X	HVAC System requirements LINE-BREAKING procedure requirements						
	1~	TENTE DIVENTING procedure requirements						

Cran	ect: F Faciston,	RI DAILY SAFE W	ORK F	ORM	SES (Page of)			
	X	X Scaffolds / decking						
X		Temporary electrical power	Con OF	01100				
	X	Temporary Utilities services	See SE	SHASP				
X		Trench / Excavation Boxes	See SE	CHAOD				
		Other Requirements	See SE	5 HASP				
☐ PI YES		ersonal Protective Equipment (PPE) Identify the : D 🗵 MSDS 🗀 BASF Knowledge	U WORK	Provide	r Knowledge			
X		Hardhat (either) ☐ Fiberglass ⊠ Plastic	YES	NO	Item			
X		Safety Glasses, ANZI-rated, side shields	Calgorope ANZI make at a title at the		Rain Suit			
	X	Goggles		X	Chemical Suit			
	X	Faceshield	X	X	Personal Fall Protection Equipment			
Х		Hearing Protection ⊠ Plugs □ Muffs	X		Gloves			
	X	Respirator Half-mask Full-face	X		with steel shank Boots □ Rubber ☒ Other			
	X	Dust Mask	+	X	Boots			
-	X	Fire Retardant Electrical Clothing		X	Retrieval System for Confined Spaces			
X		Eyewash Station	X	1	Mobile phone or radios			
Х	-	Tyvek Suits	Х		Insect repellent, sunscreen			
		Other PPE (list)	X		High-visibility, reflective vest			
Traini		quirements						
Need	N/A	Area		***************************************	The state of the s			
Х		BASF Safety Orientation (if required)						
X		MSDS Reviews						
X	-	Review of precautions listed above per SES HAS	SP		Water the second			
X	-	Review of required PPE						
-	-	Other training (specify) –						

Project: BASF Facility Cranston, RI Date (૧ · լ ૧ - ֈ ۸)	ASF Facility anston, RI DAILY SAFE WORK FORM			
STRATEGIC ENVIRONMENTAL SERVICES	PROJECT / JOB / TASK (Description): BASF Cranston/CMI Implementation	180 Mill Street,	DATE	
PRE-TASK PLAN (PTP)	SES SUPERVISOR:	Cranston, RI		

Note: SES Daily Report Forms are completed daily (see attached), documenting work progress, equipment, personnel, weather, issues encountered and resolution, health and safety actions/issues, changes in work conditions, client interface.

	List (Check off AND Circle today's activities) Task 1 - Permitting
]	Task 2 - Mobilization/Site Prop/Read 8 D
	Task 2 – Mobilization/Site Prep/Road & Decontamination Road Installation/Erosion Controls Task 3 – Excavation/Decontamination/Soil Stock Pilipa/Loadin/(Installation/Erosion Controls)
	Task 3 – Excavation/Decontamination/Soil Stock Piling/Loading/ISCO/Dewatering/Liquid Management Task 4 – Transportation and Disposal of Contaminated Material
1	Task 5 – Backfilling and Grading/Geotextile and Vegetation Placement Task 6 - Demobilization
]	Task 6 - Demobilization

Activities	Task Number(a)				
(Check Each)		Relative Hazard /Risk Rating*		Hazard Controls Mechanis and/or JSA (See HASP)	
	3	Chemical Hazards	NA□ Low□ Medium⊠ High□	A Committee of the Comm	
☑	3,4,5	Dust/Fumes/Particulates	NA□ Low□ Medium⊠ High□	B1 Chemical: JSA 10	
W .	3,4,5,6	Job Zone Control	MA□ Low□ Medium⊠ High□	B2 Dust: JSAs 1,2,4,5,6	
Ø	3,4,5,6	Heat	NA□ Low□ Medium⊠ High□	B3 Job Zone Control; All JSAs	
Q	3,4,5,6	Cold		B4 Heat: All JSAs	
	1,3,4,5,6	Severe Weather	NA□ Low□ Medium⊠ High□	B5 Cold; All JSAs	
Ø	3,4,5,6	Walking/Working Surfaces	NA□ Low□ Medium⊠ High□	B6 Severe Weather: All JSAs	
Ø	4,5,6		NA□ Low□ Medium⊠ High□	B7 Safe Walking Surfaces and	
	5,6	Noise	NA□ Low□ Medium⊠ High□	Work Areas: JSA 1,3,4,7 B8 Noise: All JSA's	
	3,6	Live Electrical Equipment	NA□ Low⊠ Medium□ High□	B14 Live Electrical Equip: JSA	
	4,5	Poor Lighting		5,0,9	
	4,5,6		NA□ Low⊠ Medium□ High□	B7 Safe Walking Surfaces and	
	4,5,0	Overhead Hazards	NA□ Low⊠ Medium□ High□	Work Areas; JSA 1,3,4,7 B15 Overhead Hazards: JSA	
D	3,4,5,6	Traffic Management		2,5,6	
		(Vehicle, pedestrian interference)	NA□ Low□ Medium⊠ High□	B17 Traffic Management: All JSA	
2	5,6	Heavy machinery/drill rigs	NA□ Low□ Medium⊠ High□	R10 U	
	5,6	Trenching/Excavation	MAIN LAWER THE PARTY	B18 Heavy Machinery: JSA 4,5	
7	1,3,4,5,6	Vehicle use		B19 Trenching/Excavation: JSA 4,5,6,8	
]	2.2		NA□ Low⊠ Medium□ High□	B20 Vehicle Use: All JSA	
		Work near/on water	NA⊠ Low□ Medium□ High□	B21 Work Near/On Water: JSA	
	4,5	Elevated heights (<4ft)	WALL		
		100 mg		B22 Working from Heights (<4	

Cranst	Facility on, RI 1 19 19)	DAILY SAFE	DAILY SAFE WORK FORM				
	4,5	Elevated heights (>4ft)	INAC LOWER IN A				
	5,6		NA□ Low⊠ Medium□ High□	B23 Working from Heights (> feet)			
		Overhead/underground utilities	NA□ Low□ Medium⊠ High□	B24 Overhead/Underground			
	4,5,6	Powered hand tools	NA□ Low⊠ Medium□ High□	Utilities: JSA 1,3,4 B25 Electrically Powered			
	4,5,6	Electrically powered equipment	NA□ Low⊠ Medium□ High□	Equipment and Tools: JSA 9 B25 Electrically Powered			
	4,5,6	Cutting devices/tools	NA□ Low□ Medium⊠ High□	Equipment and Tools: JSA 9			
	4,5	Drums, cylinders,		B26 Cutting Devices/Tools; JSA 9			
Q	3,4,5,6	containers	NA□ Low⊠ Medium□ High□	B1 Chemical: JSA 4			
		Material handling, ergonomics	NA Low Medium High	B29 Material Handling/Ergonomics: JSA			
	3,5,6	Poisonous/irritating plants	NA□ Low⊠ Medium□ High□	2,6,7,9 B32 Plants and Animals: All			
	4,5,6	Insects/rodents/snakes	NA□ Low⊠ Medium□ High□	B32 Plants and Animals; All			
J.	3,5,6	Ticks, mosquitos	NA□ Low⊠ Medium□ High□	JSAs B32 Poisonous Plants,			
1	1,3,4,5,6	Employees working		Animals, and Insects; All JSA			
]	Note: A single ha	early/late NAC Low Medium High array high array may be listed under several Tasks. In this case, use the highest overall ranking.		B34 Personal Safety; All JSAs			
escriptio		Activities, And Associated Health					



Photo 1: Concrete sewer vault with plywood installed to hold poured concrete. (facing north)



Photo4: rip rap trail connecting both rip-rap pads. (facing north).



Photo 2: Concrete sewer vault with plywood installed to hold poured concrete. (facing south).



Photo 5: Southern rip-rap pad adjacent o river (facing south).



Photo 3: Concrete vault after concrete pour. (facing north).



Photo 6: Overall site photo. (facing north).



Drainet	DACE		Submitted By: Joseph Drebaum					
Project:	BASF, Lot 1102 180 Mill Street Cranston, RI				um	00		
				9/20/2019	10	Div	Consu	Itants
	Ciuii	stori, Ki	Date.	7 9/20/2019				
		0		Daily				
	Weat	ther: Sunny		Precipitation:	0.0"	Temp:	80/48 (Hi - low)	
PERSONNEL	/EQU	IPMENT					(HI - IOW)	
Contractor	No.	3/17/ <u>-</u>		Owner/Repres	sentative:			
		Superintendent						
	1	Foremen	SES					
		H&S/QA Officer		AEI Personne	l:	J. Drebaum		11
	2	Operators	SES					
		Laborers						
		Other Trades (Surveyor)						
SubContractor	No	Company/Firm) //-it O CII	in the second			
Subcontractor	NO.	Company/Firm		Visitors On Sit	R. Kkowal	oki AET		
	-				R. KKOWai	SKI AEI		
					-			
	4	Total Personnel On Site						
MAJOR EQUI	PME	NT:				EQUIPMENT/	MATERIALS	RECEIVED:
Skidsteer T590		United G25 T45 Generator		-		Loam (6 Load	ds)	
Mini CAT E35i		Loader 470				Total Quantit	y = 180 Yards	
Dozer CAT D5								
Roller Dyna PA	C 5							
WORK COMP	LETE	D.			-			
out with fabric burrow and loa loam to spread	and o am. Lo I. wall	ead loam towards northern side crushed stone. 6 loads (180 Yard oam spread out towards north g kways and final details across si t onsite at start of day, briefed o	ds) of Loam Material (gate, allowing a roadw te to be finished up n	delivered. Cond vay for materia lext week. Mate	crete sewe I delivery.	er vault set up and Approximately 10	d covered with 00 feet of road	n gravel Iway left of
HEALTH & SA	FFT							
AEI has review	ed SE	S's Safe Work Form/Pre-Task P	lan for today, and ver	rifies, by signin	g below, t	hat these docum	ents comply w	vith the
procedures and	d cont	ent of SES's HASP."						
AEI Signatur	e	good D Drel						
	1	V						
TSSUES/CHA	NGES	S/RESOLUTIONS:						- Directions
N/A	NGES	of RESOLUTIONS:		-				
								1.1
								THE STATE OF THE S
DISCUSSION N/A	S/CL	IENT DIRECTION:						
N/A								



Photo 1: Concrete sewer vault after gravel burrow graded over repair (facing east)



Photo 2: MW 12D located after initially being buried under gravel burrow.



Photo 3: Photo of main gate showing remaining area needing loam layer. (facing east).



Project:
BASF Facility
Cranston, RI
Date (9-20-19)

DAILY SAFE WORK FORM No._

SES, Sutton, MA (Page __of __)

				The same of the sa
Servicing or	Maintenance W	ork Description		
Description of	Work: CMI Imp	lementation Project	The second secon	
Start Date / Ti	me: (Date) (Time	9) 9.20.19 0600		
Location of	180 Mill Street,	Cranston, RI		
Work				
Strategic Env	ironmental Ser	vices, Inc. (SES)	The second secon	No year and the second
Primary/Lead	Company Name	: SES	7	
Contact Perso	n: JASOM	Olivira		the state of the s
Contact phone	# ROZ-37	6-3584		
Health and Sa	afety (H&S) Plan	n (HASP) Signatures	The state of the s	
Sign-off sheet at	testing that the HA	SP has been made available and	reviewed by the individual p	rior to entry into the site, and/or daily H&S
required dally a	onnei participating	in the project must receive initi	al Health and Safety Orientati	on. Thereafter, a tailgate safety meeting is
		the contents of this HASP and D		
Health and Sa	afety Meeting	and I are	any date work rolls with Pie	- lask Planning Form.
Date	Name of Att	endee (Print)	Company	T Install
9-20-19	JASON 1	Clivier	SES	Initials
9-20-14	Soe	Hetner	5E3	190
9-20-19	Buch	Stene	SES	ZN
9-20-19	OSERY	Drekum	HED	1976
9-20-19	Rick	- 1 Cowa 1ski	1761	199
		1-00000	1101	- jeu
		The second second		
Visitor Log		*		
It is SES's policy	that visitors must	furnish their own personal prote	ctive equipment All visitors	ire required to sign the visitor log and
			esents a regulatory agency co	ire required to sign the visitor log and incerned with site health and safety issues,
Name of Visito	the designations district	and anneutately notify rist.		
Name of Visito	r (Print)	Company Name	Date of Visit	Signature
	-			

Project: BASF Facility Cranston, RI Date (<\^\?0-\.\^2)	DAILY SAFE WORK FORM	SES (Page of)

Project:
BASF Facility
Cranston, RI
Date (9-20-19)

DAILY SAFE WORK FORM

SI	S
(Page _	_ of)

	9 (9-		
Type	of Fo	uipment/Vehicles/Motorized Equipment	
di	Field S		
	Excava	L.	Roll-off Tractor Truck
-	Loader		Roll-off containers
0	Track I		Dump Truck/Triaxle
-	THE RESERVE AND ADDRESS OF THE PARTY OF THE	hand a land	Dump Trailers
	Frac Ta		Pickup Utility Trucks
	Genera	ata a	Sump Pump .
-	The state of the s		Trench Box
		Buffalo	NaOH Storage Tank
	Sawza		Other (list) Roccea Dynama 100 5
This	work a	So requires the use of the	
⊠ P	ROJEC	lso requires the use of the permits or docum T-SPECIFIC HASP	ents checked below
	OCK-O	UT, TAG-OUT PERMIT	
⊠ P	RE-TAS	SK PLANNING FORM	
	ONFIN	ED SPACE ENTRY PERMIT	
ПО	THERS	G (LIST)	
	1116110	(101)	
Antic	inated	Project Disks and III	
inform	ration (See Daily Pro Tool Plantification ide	entify the source/s used and include necessary specific
Used	TNA	See Daily Pre-Task Plan for day-specific information	(doi)
X	TWA		Specific Risk or Hazard that needs to be addressed
X	+	Pre-work Inspection of the work site	See SES HASP
-	X	MSDS review / includes any 'new' chemicals	MSDS Sheets Provided in HASP
	X	Crane Operations	
X	1	Elevated Work	
X	-	Environmental Conditions	See SES HASP
	X	Heavy Powered Mobile Equipment Use	Excavators to load soil into trucks, truck traffic
X	-	Language / Communication Difficulties	
^	X	Materials to be used	See Pre-Task Plan
	X	Overhead Work / Rigging	
X	^	Special Equipment to be used	
^	X	Trenching / Excavation	See SES HASP
X	-	Utilities System tie-in / restrictions	
Andiai	noted f	Other Risks or Hazards	PCB/VOC-contaminated soils; Sodium Persulfate
addros	pareu r	Project Required Precautions & Protective Me	Be sure that each identified Risk or Hazard is
Need	N/A	see Daily Pre-Task Plan for day-specific informa	tion)
X	INA	Area	Specific measures that are required
**	X	Access & Egress Plans (People & Equipment	To be developed on site with SES work crew
	X	Barricades needed	MOLK CIEM
	The second liverage was a second	BASF equipment / materials to be used	
	X	Electrical safety equipment required	
,	X	Elevator use	
(-	Emergency Equipment	See SES HASP
(-	Emergency Plans / Emergency Responder	See SES HASP
	X	Fall protection	TO THOSE TO THE PARTY OF THE PA
(First Aid / Medical Treatment provisions	See SES HASP
	X	HOT WORK Procedure requirements	OCC OCO MASP
	X	HVAC System requirements	
	X	LINE-BREAKING procedure requirements	
		procedure requirements	

Cran	SF Fac ston, (9-20-	RI DAILY SAFE	WORK	ORK FORM (Page _ of _					
<u> </u>	X	Scaffolds / decking							
X	-	Temporary electrical power							
	X	Temporary Utilities services	See	SES HAS	iP				
Х		Trench / Excavation Boxes							
		Other Requirements	566	SES HAS	SP				
-									
Regu	ired Pe	rsonal Protective Equipment (PRE) Identify	4						
□ PI	PE GRI	D MSDS BASF Knowledge	ine source	s used ar	nd check the appropriate boxes				
YES	NO	ITEM BASE Knowledge	1-1 VV	OIK PTOVIO	ier knowledge				
X		Hardhat (either) ☐ Fiberglass ☒ Plastic	Y	ES NO	Item				
X		Safety Glasses, ANZI-rated, side shields		Х	Rain Suit				
	X			Х	Chemical Suit Jacket Pente				
	X	Faceshield		X	Personal Fall Protection Equipment				
X		Unada D. C.	X		Gloves				
	v		Х		Long sleeve shirt and steel toed boots with steel shank				
	X	Respirator Half-mask Full-factor	e X		D				
	X	Dust Mask		X	Boots				
х	^	Fire Retardant Electrical Clothing		X	Retrieval System for Confined Co.				
X		Eyewash Station	X		Retrieval System for Confined Spaces Mobile phone or radios				
^		Tyvek Suits	X		Insect repellent, sunscreen				
		Other PPE (list)	X		High-visibility, reflective vest				
Trainle	or Boo				Tright-visibility, reflective vest				
Need	Ig Req	uirements							
X	N/A	Area	- the same of the		the same of the sa				
X		BASF Safety Orientation (if required)	Safety Orientation (if required)						
X		MISUS Reviews		-					
X		Review of precautions listed above per SES	HASP						
^		Treview of redniled bbE							
		Other training (specify) -							

Project: BASF F Cranstor Date (q	acility n, RI	DAILY SAFE	WORK FO	SES (Page of)	
STRATE ENVIRON SERVICES	MENTAL	PROJECT / JOB / TAS BASF Cranston/CMI Im	K (Description): plementation	LOCATION: 180 Mill Stree	
	TASK PLAN (PTP)	SES SUPERVISOR:	- Waster Control of the Control of t	Cranston, RI	
Task List (Check off AND Circ Task 1 - Permitting Task 2 - Mobilizatio Task 3 - Excavation Task 4 - Transporta	d resolution, health and sa de today's activities) n/Site Prep/Road & Decor //Decontamination/Soil Sto tion and Disposal of Conta and Grading/Geotextile an	ntamination Road lock Piling/Loading/	nstallation/Eros	ress, equipment, personnel, rork conditions, client interface sion Controls ng/Liquid Management
Today's	- I I I I I I I I I I I I I I I I I I I	Recommended Actions of		ement	
Activities (Check Each)	Task Number(s)		Relative Hazar	d /Risk Rating*	Hazard Controls Mechanism and/or JSA (See HASP)
] .	3	Chemical Hazards	NA Low Medi	um⊠ Highir	B1 Chemical: JSA 10
	3,4,5	Dust/Fumes/Particulates	NA□ Low□ Media		
	3,4,5,6	Job Zone Control	NA□ Low□ Media		B2 Dust: JSAs 1,2,4,5,6
	3,4,5,6	Heat	MA□ Low□ Medit		B3 Job Zone Control; All JSAs B4 Heat: All JSAs
	3,4,5,6	Cold	NA Low Medic		
	1,3,4,5,6	Severe Weather	NA Low Mediu		B5 Cold; All JSAs
	3,4,5,6	Walking/Working Surfaces	NA□ Low□ Mediu		B6 Severe Weather: All JSAs B7 Safe Walking Surfaces and Work Areas: JSA 1,3,4,7
	5,6	Noise	NA□ Low□ Mediu	m⊠ High	B8 Noise: All JSA's
	4,5	Live Electrical Equipment Poor Lighting	NA□ Low⊠ Mediu		B14 Live Electrical Equip: JSA 5,6,9
	4,5,6	Overhead Hazards	NA□ Low⊠ Mediu		B7 Safe Walking Surfaces and Work Areas; JSA 1,3,4,7
	3,4,5,6	Traffic Management	NA□ Low⊠ Mediu		B15 Overhead Hazards: JSA 2,5,6
		(Vehicle, pedestrian interference)	Ma Low Mediur		B17 Traffic Management; All JSA
	5,6	Heavy machinery/drill rigs	NA□ Low□ Medium	n M High C	B18 Heaver March!
	5,6	Trenching/Excavation	NA⊠ Low□ Mediun	n⊠ High⊡	B18 Heavy Machinery: JSA 4,5 B19 Trenching/Excavation:JSA
	1,3,4,5,6	Vehicle use	NA□ Low⊠ Mediun	The second second	4,5,6,8 B20 Vehicle Use: All JSA
	4,5		NA⊠ Low□ Medium		B21 Work Near/On Water: JSA
	1,5	Elevated heights (<4ft)	NA□ Low⊠ Medium	D HIGHD	B22 Working from Helghts (<4

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			scription	of Any Additional A	Activities, And Associated Health	and Safety Risks and Protective	Procedures/Equipment:	

STRATEGIC ENVIRONMENTAL SERVICES, INC.

362 Putnam Hill Road Sutton, Massachusetts 01590

Office: (508) 757.7782 Fax: (508) 363.2346 www.strategic-es.com



DAILY WORKSHEET

Date: 9-20.19						Project	Number: 18-6122
FRIDAY							10-612
CLIENT / SITE INFORMA	TION						
Name: BASF 1 A	EI						
Address: 160 Mice							
CRANSTON							
Contact:							
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BASF INACTIVE SITES

SAFE WORK PERMIT



Servicing or Maintenance Work Description	
Description of Work: Entering sewer vault to construct concrete supports	
Start Date / Time 9/20/2019 0700	
_ocation of BASF Cranston	
Nork 180 Mill Street, Cranston, RI	

Servicing or Maintenance Work Provider Identification	
Company Name Strategic Environmental Services	# personnel 3
Contact Person Ryan Gadoury	# / type vehicles 1/ service truck
Contact phone # 508-757-7782 ext 119	

This work also requires the use of the permits checked below
☐ CONTRACTOR SAFETY PLAN DOCUMENTS
LOCK, TAG, AND TRY PERMIT
□ PRE-TASK PLANNING FORM
□ CONFINED SPACE ENTRY PERMIT

Risks	and H	azards Identification Identify the source/s used	and include necessary specific information
Used	N/A	Source	Specific Risk or Hazard that needs to be addressed
Χ		Pre-work Inspection of the work site	Utilities, uneven work surfaces
	Х	MSDS review / includes any 'new' chemicals	
	Х	Crane Operations	
	Х	Elevated Work	
Х		Environmental Conditions	Confined space, potential hazardous atmosphere
Х		Heavy Powered Mobile Equipment Use	
	Х	Language / Communication Difficulties	
Х		Materials to be used	Grout/silica dust
Х		Overhead Work / Rigging	Loading/unloading items from truck bed
	Х	Special Equipment to be used	
	Х	Trenching / Excavation	
	Х	Utilities System tie-in / restrictions	
Х		Other Risks or Hazards	Proper lifting technique / pinch points

Requir	red Pre	cautions & Protective Measures Be sure t	hat each identified Risk or Hazard is addressed
Need	N/A	Area	Specific measures that are required
	Х	Access & Egress Plans (People & Equipment)	
	Х	Barricades needed	
	Х	BASF equipment / materials to be used	
	Х	Electrical safety equipment required	
	Х	Elevator use	
	Х	Emergency Equipment	
	Х	Emergency Plans / Emergency Responder	
	Х	Fall protection	
Х		First Aid / Medical Treatment provisions	First aid kit
	Х	HOT WORK Procedure requirements	
	Х	HVAC System requirements	
	Х	LINE-BREAKING procedure requirements	
	Х	Scaffolds / decking	
	Х	Temporary electrical power	
	Х	Temporary Utilities services	
	Х	Trench / Excavation Boxes	
Х		Other Requirements	CSE & eye and hand protection during concrete pour

Safe Work Permit

/CC		IN THE PROPERTY OF	วร		BASF	Kn	owledge		N W	ork Prov	nd check the ap vider Knowledge		
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COMPANY NAME (performing work):		JOB / TASK (Description): enstruction of supports for concrete pour	LOCATION: BASF Crai 180 Mill Street, Cranst	
Strategic Environmental Services PRE-TASK PLAN (PTP)	SUPERVIS	OR: Jason Oliver		
Safe Work Permit Number:	CREW SIG	1 SMESIRY		
SEQUENCE OF TASK / JOB (Consider Equipment, Tools and Consider Equipment)		POTENTIAL HAZARDS (Energy forms – Motion, Chemical, Rac Electrical, Gravity, Heat/Cold, Biolog Pressure)	ical, (When possible and/or <u>Protect</u> a	DED ACTION OR PROCEDURE eEliminate the energy, Control against unwanted contact/release)
Enter sewer vault, construct sup	ports	 Hazardous atmosphere, structu collapse 	rai 4-gas meter mo harness, lanyar	onitoring, lifeline, tripod, rd, hard-hat and PPE
	(Use and	I attach extra paper if needed, then attach this PTF	to Permit for issuance)	



CONFINED SPACE ENTRY PERMIT

ALL COPIES OF PERMIT WILL REMAIN AT JOB SITE UNTIL JOB IS COMPLETED ONE COPY MUST BE SUBMITTED TO THE HEALTH AND SAFETY SPECIALIST

	-	STA	RT T	TIME: <u>7</u>	00 AM			NDING T				
SUPERVISOR(S)	# OF	CRE	W			PHON	Č.				150	
Kerin Swe	eney 3					774	1-2	44-8	340)		_
ecial Requirements		yes		no							yes	no
ockou / De-energize					Escape Ha					_		+
Lines Broken / Cappe					Tripod Es	cape Unit						<u> </u>
Purge / Flush / Vent		V			Lifelines							+
Ventilation					Fire Extin	guishers					-	+
Secure Area		نيا .			Lighting_						~	-
Protective Clothing		1			Respirato						- V	i
S.C.B.A.					Air-line re	espirator				_		1
	EN				Air-line re						1	
EST(S) TO BE TAK	EN PÆL.*			Time	Air-line re	Time	Time	Time	Time	Time	Time	Time
S.C.B.A. EST(S) TO BE TAK Valid for one 8 hr.shift		Yes	No				Time	11:30	Time	Time	Time	
EST(S) TO BE TAK Valid for one 8 br.shift	P.E.L.*	Yes	No	Time 9:30	Time /0:00	Time 10:30			Time	Time	Time	
EST(S) TO BE TAK Valid for one 8 hr.shift % of Oxygen	-19.5% - + 21%	100000000000000000000000000000000000000	No	Time 9:30 20.0	Time 10:00 21.0	Time	[1:00	20.0	Time	Time	Time	
EST(S) TO BE TAK Valid for one 8 hr.shift % of Oxygen % of L.E.L.*	P.E.L.* -19.5% - + 21% Any % over 10%	100000000000000000000000000000000000000	~	Time 9:30	Time /0:00	Time 10:30 20.0	20.0	11:30	Time	Time	Time	
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Valid for one 8 hr.shift % of Oxygen % of L.E.L.* Carbon Monoxide Aromatic Hydrocarbon	-19.5% - + 21% Any % over 10% 50 ppm 10 ppm	100000000000000000000000000000000000000	レンレン	Time 9:30 20.0	Time 10:00 21.0	Time 10:30 20.0	20.0	20.0	Time	Time	Time	
Valid for one 8 hr.shift % of Oxygen % of L.E.L.* Carbon Monoxide Aromatic Hydrocarbon Hydrocyanic Acid	-19.5% - + 21% Any % over 10% 50 ppm 10 ppm	100000000000000000000000000000000000000	レレン	Time 9:30 20.0	Time 10:00 21.0	Time 10:30 20.0	20.0	20.0	Time	Time	Time	
Valid for one 8 hr.shift % of Oxygen % of L.E.L.* Carbon Monoxide Aromatic Hydrocarbon Hydrocyanic Acid Hydrogen Sulfide	-19.5% - + 21% Any % over 10% 50 ppm 10 ppm 10 ppm	100000000000000000000000000000000000000	レンレン	Time 9:30 20.0	Time 10:00 21.0	Time 10:30 20.0	20.0	20.0	Time	Time	Time	
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* LEL = LOWER EXPLOSION LEVEL

AUTHORIZED ENTRANTS: AUT	HORIZED ATTENDANTS:	PERMIT AUTHORIZATION
	JOE MEFNER	I certify that all actions and conditions necessary for safe entry have been performed. Name (print)
		Signature: 5 Time: 1200
Permit Closeout and Debrief Additional Hazards Noted:		
Entry Supervisor Signature (Closeout C	Completed) Date:	N20/19
Name (print): Kerry Succ. FIRE:911	ME 4 AMBULANCE:	_911

RESCUE: Confined Space Rescue to be conducted by SES Employees (Cranston Fire Department to be notified of Confined Space Entry activities prior to entry. In case of emergency, dial 911.

BASF 180 Mill Street, Lot 1102 Cranston, RI

Date	Name	Company Name	Time In	Time out
9-20-19	JASON OLIVIER	SES	0600	1330
-20-19	Jue Hefrer	se's .	600	2:00
-20-19	Brinden Stern	SES	0700	2:00
20-19	oe Dreham	AEI	07.25	14:00
1-20-19	RICK Konglish	ABI	11250	13200
			-	

Project:	BASE	F, Lot 1102	Submitted By:	Aaron C. Ting	2 - 1		ΔF	
Troject.		Mill Street		Adion C. Ting	(H);	×		• •
		ston, RI		9/30/2019	9)	Consulta	nts
	Wea	ther: Sunny		Daily Precipitation:	0.0"	Temp:	51-67 (Hi - low)	
PERSONNEL	/FOLI	IPMENT					(HI - 10W)	
Contractor	No.	II WILIVI		Owner/Represe	ntative:			
Contractor		Superintendent	SES	- Owner/Represe	n <u>tativo.</u>			
		Foremen	020	1				
		H&S/QA Officer		AEI Personnel:		A. Ting		1
		Operators		ALT TOTSOTHION.		C. Garvey		1
		Laborers	All Island	1		o. curvey		•
		Other Trades (Surveyor)	711 Toldrid					
		0 (5)						
SubContractor		Company/Firm		Visitors On Site:	:			
		Diprete		-	-			
		Geosearch		-	-			
		CEC		4				
	13	Total Personnel On Site		-				
MAJOR EQUI	PME					EQUIPMENT	MATERIALS RE	CEIVED
		United G25 T45 Generator						
Hydroseed car	non							
Power rake								
Dell off Conto	/F	or CEC drill quittings)						
		or CEC drill cuttings)						
WORK COME	e con	ש: ducting hydroseeding and pov	wer raking Installed N	lew England Con	seration W	ildlife mix on sout	thern side of prope	ertv
Stormwater ba	asins v	were installed with infiltration l	basin mix. All Island ra	aked around plar	nts prior to	hydroseeding.	inem side of propi	orty.
The northern	prope	erty line, according to site plan	, was staked by DiPret		•	, ,		
		tinue drilling in the southeast of						
SES watered p	lants	using hosing and hydrant wat	er.					
HEALTH & SA	AFET	/ :						
AEI has reviev	ved SE	ES's Safe Work Form/Pre-Task	Plan for today, and ve	erifies, by signing	below, tha	nt these documen	ts comply with the)
procedures an	d con	tent of SES's HASP."						
AEI Signatur	e	Chal. lox						
	NGE	S/RESOLUTIONS:						
N/A								
DICOLICCION	10 (0)	LENT DIDECTION						
N/A	15/CL	LIENT DIRECTION:						
14/11								



Photo 1: All gravel walkways finished with stone dust and rolled with roller. (facing north east).



Photo 4: More plants along northern property boundary. (facing north).



Photo 2: CEC and New England Geotech onsite drilling on southern side of property adjacent to river (facing south).



Photo 5: Plants along Mill Street. (facing north).



Photo 3: Finished pedestrian walkway with plants and trees installed. (north east).



Photo 6: More plantings in middle of site. (facing south).





Photo 7: All Island applying hydroseed (north east).



Photo 11: Hydroseed applied to southeastern portion of site (south).



Photo 8: All Island raking before applying hydroseeding (south east).



Photo 12: Hydroseed applied around plants (south east).



Photo 10: Hydroseed applied to infiltration basin (south east).



STRATEGIC ENVIRONMENTAL SERVICES, INC.

362 Putnam Hill Road Sutton, Massachusetts 01590

Office: (508) 757.7782 Fax: (508) 363.2346 www.strategic-es.com



DAILY WORKSHEET

Date:	9130/19						Project	Number: 18 - 012 2
	Monda							
	SITE INFORMA	TION						
Name:	13 AS	<i>F</i> -	- /	A1	= 7			
Address:	160 M	111/ 5	+					
	Ciarste	on F	RI					
Contact:		Tins	8	357	-2	08	-69	80
	S NOTES	e, For	nal	اس	· Los	'Ac 0	of 11	ats on the site All Island al Hydre seeding site.
Lands	capin on	516	Lo	lac	ر ت	150	1:00 9.	al Hydre seeding si 6
	/ J				Ø.)	7.00 (2.17)
		ionità sicce						
LABOR							MATERI	ALS / EQUIPMENT / TOOLS
Name		Position	Travel	On-site	Off-Site	Travel	Quantity	Item / Description
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								is with most
SUBCONT	RACTORS			L				
	orsAltslan	1/92	de	- 0'	1 //			
euione	+ used - B	Lylon	cel	000	7	1		
trock.	1 used - B	11/2/11	S-COO	10	pora j			
,	Sicil Sicul	Carry	J.	· cla				
WEATHER	OBSERVATION	C						
VVLATTILI	SUMMY	7 50					Project Mana	ger's Signature:
.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	JUMY	13					-, see maria	g v signature.
	1						Client's Signa	ature:
	1							

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Project: BASF Facility Cranston, RI Date ()		DAILY SAFE	WOR	K FORM No	SES, Sutton, MA (Page of)
			1		
Servicing or Mair	ntenance l	Work Description			
		plementation Project	_		· · · · · · · · · · · · · · · · · · ·
		me) 9/30/19 0700			
		t, Cranston, RI			
Strategic Enviror	mental S	ervices, Inc. (SES)			
Primary/Lead Con				T	
Contact Person:			_		· · · · · · · · · · · · · · · · · · ·
Contact phone #					

Health and Safet	y (H&S) P	lan (HASP) Signatures			
briefing. All personne required <u>daily</u> , and as	el participati s otherwise	ing in the project must receive in deemed necessary by the Site h	nitial Hea lealth an	wed by the Individual prior to entr lth and Safety Orientation. Therea d Safety Officer. By signing below afe Work Form with Pre-Task Plar	fter, a tailgate safety meeting is , an individual certifies that he has
Health and Safet	y Meeting				
Date	Name of A	Attendee (Print)		Company	Initials
0/30/19	Lain			LEC	LB
9/30/19	Chris	Stana		Georgeal	(P8)
9-36-19	Koda	er Dean		bloscom	R.D
580+ 30	M.D	EAMICIS		GROSEARCH, INC.	M.D.
913019	AT	200		AEL	ACT
9130/19	6-1	Garver		ACI O	CB.
9/20/19	Sharr	ip Costs.		All Eskerd	A.C.
9/30/19	VIGTOR	Carrior		Bill Tolemd	(L)_
9130/19	More V			All Island	m
1/30/19	Melvin	1 Pereyra		All Bland	4
6/30/19	Eale I	amorell=c		Direke	EU
9/30/19	Gler			CEC, Inc.	640
9/30/19	Timi	urctili		SEC	/11/
Visitor Log					
comply with Health a	ind Safety Pl	ist furnish their own personal pi lan requirements. If the visitor re shall also immediately notify HS	present	equipment. All visitors are require s a regulatory agency concerned t	ed to sign the visitor log and with site health and safety issues,
Name of Visitor (F		Company Name		Date of Visit Signa	ature
				Jigitt	
					· · · · · · · · · · · · · · · · · · ·

Project: BASF Facility Cranston, RI Date ()	DAILY SAFE WORK FORM	SES (Page of)		

Project:	
BASF Fa	cility
Cranston,	RI
Date ()

DAILY SAFE WORK FORM

S	SES	
(Page	of)

Date	= (esta a secondo			
		ipment/Vehicles/Motorized Equipment				
V		ervice Trailer		Roll-off Tractor Truck		
	Excav			Roll-off containers		
	Loade			Dump Truck/Triaxle		
				Dump Trailers		
				Pickup Utility Trucks		
		Sump Pump				
0	Gener			Trench Box		
		Buffalo		NaOH Storage Tank		
	Sawza			Other (list) Hydrosceder		
This	work	lso requires the use of the permits or o	locume	nts checked below		
		T-SPECIFIC HASP				
		UT, TAG-OUT PERMIT				
		SK PLANNING FORM				
		ED SPACE ENTRY PERMIT				
	THER	S (LIST)				
Anti	cipate	Project Risks and Hazards Identification	on Ider	ntify the source/s used and include necessary specific		
infor	mation	See Daily Pre-Task Plan for day-specific	informat			
Used	A/N E	Source		Specific Risk or Hazard that needs to be addressed		
X		Pre-work Inspection of the work site	-	See SES HASP		
Х	-	MSDS review / includes any 'new' cher	nicals	MSDS Sheets Provided in HASP		
	X	Crane Operations				
	X	Elevated Work				
X		Environmental Conditions		See SES HASP		
Х		Heavy Powered Mobile Equipment Use		Excavators to load soil into trucks, truck traffic		
	X	Language / Communication Difficulties				
X		Materials to be used		See Pre-Task Plan		
	X	Overhead Work / Rigging				
74	X	Special Equipment to be used				
X		Trenching / Excavation		See SES HASP		
	X	Utilities System tie-in / restrictions				
X		Other Risks or Hazards		PCB/VOC-contaminated soils; Sodium Persulfate		
Anti	cipated	Project Required Precautions & Protect	tive Me	easures Be sure that each identified Risk or Hazard is		
		(See Daily Pre-Task Plan for day-specific	informa			
Need	d N/		1	Specific measures that are required		
X		Access & Egress Plans (People & Eq	uipment	To be developed on site with SES work crew		
	X	Barricades needed				
	X	BASF equipment / materials to be use	ed			
	X	Electrical safety equipment required				
	X	Elevator use				
X		Emergency Equipment		See SES HASP		
X		Emergency Plans / Emergency Response	onder	See SES HASP		
	X	Fall protection				
Х		First Aid / Medical Treatment provision		See SES HASP		
	Х	HOT WORK Procedure requirements				
	Х	HVAC System requirements				
	Х	LINE-BREAKING procedure requirem	ents			

									
	F Fac ston,		DAILY SAFE V	VOF	RK FO	ORM		SES (Page	
Contractive Section 1	-								
	X	Scaffolds	/ decking					·····	
X			y electrical power	-	See SES	LIACE)		
	X	Temporar	y Utilities services		JCC OL	O HASP			
X		Trench / E	xcavation Boxes	9	See SES	HACE)		
			quirements	-	JCC OL	IMOR			
Regu	ired Pe	ersonal Prote	ective Equipment (PPE) Identify th	e soi	irce/s in	sed and	chack the on	promists by	
		ES 101	SDS BASF Knowledge		Work	Provide	r Knowledge	propriate boxes ☐ Prior S	21472
YES	NO	ITEM		T	YES	NO	Item	LI PHOIS	2001
X		Hardhat (eit	ther) 🗆 Fiberglass 🗵 Plastic			X	Rain Suit	☐ Jacket	☐ Pants
Х		Safety Glas	ses, ANZI-rated, side shields		1	X		uit	☐ Pants
	X	Goggles	☐ Chemical ☐ Dust			X		all Protection Equ	ulamant.
	Х	Faceshield			X	1~	Gloves	□ Frotection Equ □ Chemical □ Chem	ipment
X		Hearing Pro	tection ⊠ Plugs ☐ Muffs	$\neg \vdash$	X	 		shirt and steel t	U VVORK
							with steel sh	ank	oed poots
	X	Respirator	☐ Half-mask ☐ Full-face		X	 	Boots	☐ Rubber	Other ■
	X	Dust Mask				X	Welding Pro		△ Other
	X	Fire Retarda	ant Electrical Clothing			X	Retrieval Sv	stem for Confine	od Spagge
X		Eyewash St	ation		X		Mobile phon	e or radios	u Spaces
Х		Tyvek Suits	4		Х		Insect repell	ent, sunscreen	
		Other PPE (list)		Х		High-visibilit	y, reflective vest	
T1						!	,g thousand	y, renectave vest	
Iraini		uirements							
Need 📈	N/A	Area				·			
	X	BASE Safe	ty Orientation (if required)						
X	 	MSDS Revi							
X		Review of p	recautions listed above per SES H	ASP					
	-	Review of n	equired PPE						
		Other training	ng (specify) –						

Project: BASF Facility Cranston, RI Date ()	DAILY SAFE WORK FOI	RM	SES (Page of)
STRATEGIC ENVIRONMENTAL SERVICES	PROJECT / JOB / TASK (Description): BASF Cranston/CMI Implementation	LOCATION: 180 Mill Street, Cranston, RI	DATE
PRE-TASK PLAN (PTP)	SES SUPERVISOR:	Cianstoli, Ki	

Note: SES Daily Report Forms are completed daily (see attached), documenting work progress, equipment, personnel, weather, issues encountered and resolution, health and safety actions/issues, changes in work conditions, client interface.

Task List	(Check off AND Circle today's activities)
]	Task 1 - Permitting
]	Task 2 – Mobilization/Site Prep/Road & Decontamination Road Installation/Erosion Controls
	Task 3 – Excavation/Decontamination/Soil Stock Piling/Loading/ISCO/Dewatering/Liquid Management
	Task 4 – Transportation and Disposal of Contaminated Material
	Task 5 – Backfilling and Grading/Geotextile and Vegetation Placement
]	Task 6 - Demobilization

Today's Activities (Check Each)	Task Number(s)	ecommended Actions of	Relative Hazard /Risk Rating*	Hazard Controls Mechanism and/or JSA (See HASP)
	3	Chemical Hazards	NA□ Low□ Medium⊠ High□	B1 Chemical: JSA 10
	3,4,5	Dust/Fumes/Particulates	NA□ Low□ Medium⊠ High□	B2 Dust: JSAs 1,2,4,5,6
<i>a</i>	3,4,5,6	Job Zone Control	NA□ Low□ Medium⊠ High□	B3 Job Zone Control; All JSAs
	3,4,5,6	Heat	NA□ Low□ Medium⊠ High□	B4 Heat: All JSAs
	3,4,5,6	Cold	NA□ Low□ Medium⊠ High□	B5 Cold; Ali JSAs
	1,3,4,5,6	Severe Weather	NA□ Low□ Medium⊠ High□	B6 Severe Weather: All JSAs
	3,4,5,6	Walking/Working Surfaces	NA□ Low□ Medium⊠ High□	B7 Safe Walking Surfaces and Work Areas: JSA 1,3,4,7
1	4,5,6	Noise	NA□ Low□ Medium⊠ High□	B8 Noise: All JSA's
	5,6	Live Electrical Equipment	NA□ Low⊠ Medium□ High□	B14 Live Electrical Equip: JSA 5,6,9
]	4,5	Poor Lighting	NA□ Low⊠ Medium□ High□	B7 Safe Walking Surfaces and Work Areas; JSA 1,3,4,7
	4,5,6	Overhead Hazards	NA□ Low⊠ Medium□ High□	B15 Overhead Hazards: JSA 2,5,6
	3,4,5,6	Traffic Management (Vehicle, pedestrian interference)	NA□ Low□ Medium⊠ High□	B17 Traffic Management: All JSA
1	5,6	Heavy machinery/drill rigs	NA□ Low□ Medium⊠ High□	B18 Heavy Machinery: JSA 4,5
	5,6	Trenching/Excavation	NA⊠ Low□ Medium⊠ High□	B19 Trenching/Excavation:JSA 4,5,6,8
1	1,3,4,5,6	Vehicle use		B20 Vehicle Use: All JSA
]	2,3	Market Control of the	NA⊠ Low Medium High	B21 Work Near/On Water: JSA
]	4,5	Elevated heights (<4ft)	NA□ Low⊠ Medium□ High□	1 B22 Working from Heights (<4 feet)

Project: BASF F Cranstor Date (acility	DAILY SAFE	WORK FORM	SES (Page of)
	4,5	Elevated heights (>4ft)	NA□ Low⊠ Medium□ High□	B23 Working from Heights (>
	5,6	Overhead/underground utilities	NA□ Low□ Medium⊠ High□	B24 Overhead/Underground
	4,5,6	Powered hand tools	NA□ Low⊠ Medium□ High□	B25 Electrically Powered
	4,5,6	Electrically powered equipment	NA□ Low⊠ Medium□ High□	B25 Electrically Powered
	4,5,6	Cutting devices/tools	NA□ Low□ Medium⊠ High□	Equipment and Tools: JSA 9 B26 Cutting Devices/Tools:
	4,5	Drums, cylinders, containers	NA□ Low⊠ Medium□ High□	B1 Chemical: JSA 4
	3,4,5,6	Material handling, ergonomics	NA□ Low□ Medium⊠ High□	B29 Material Handling/Ergonomics: JSA
	3,5,6	Poisonous/irritating plants	NA□ Low⊠ Medium□ High□	2,6,7,9 B32 Plants and Animals: All JSAs
	4,5,6 3,5,6	Insects/rodents/snakes	NA□ Low⊠ Medium□ High□	B32 Plants and Animals; All JSAs
<u> </u>		Ticks, mosquitos	NA□ Low⊠ Medium□ High□	B32 Poisonous Plants, Animals, and Insects; All JSA
]	1,3,4,5,6	Employees working early/late	NA□ Low⊠ Medium□ High□	B34 Personal Safety: All ISAs
escription of	of Any Additional	Activities, And Associated Health		

BASF 180 Mill Street, Lot 1102 Cranston, RI

	Date	Name	Company Name	Time In	Time out
	9/30/19	Lavren Buldwn	CEC	6:40	16:30
	9/30/19	Chris Stanay	Geoseover.	7:00	1600
	9/30/19	Tim Tarezali	SES	7:00	15:30
	September 30th 2019	MDEAmin	Cossessia, Mr.	7:00	16.00
	9-30-19	Rodner Deen	Geosecrin	7.00	1600
-	9/30/19	A. Ting	HEI	0630	1630
	9/30/19	Cartin Garrey	AEI	7:00	12:45
-	9/30/19	Shayne Costa	All Island	v:20	3.55 4.00
	9/30/19	Vieta Carrior	All Island	820_	5:55 4:00
9	130/19	Man Washington	All Island	8.20	5:35 4:00
7	/30/19	Me LUIN Perey ra	All Island	8.20	3:55 4:00
7/	130/19	Eale Tample	DEA.	5:40	11:30
6	1/30/19	Glen GIE	CECITIC	13200	1630

		DAILY	PROJECT REPO	RI			$\mathbf{\Lambda}$	
Project:	BASE	, Lot 1102	Submitted By:	Caitlin M. Garve	ey_		\mathbf{A}	
	180	Mill Street	Signature:	16n (1)	/ in		Consu	Itants
	Cran	ston, RI		10/1/2019	9		_	
	Wea	tl Overcast		Daily Precipitation:	0.0"	Temp	: <u>66-75°F</u> (Hi - low)	
PERSONNEL	/FOU	IPMFNT					(111 - 10W)	
Contractor	No.			Owner/Represe	ntative:			
oonin dotor		Superintendent	SES	- Cwilor/Represe	intativo.			
				1				
		Foremen		AEL D		0.0		1
		H&S/QA Officer		AEI Personnel:		C. Garvey		1
		Operators		1				
	4	Laborers	All Island	-				
		Other Trades (Surveyor)		4				
SubContractor	No.	Company/Firm		Visitors On Site	:			
				-				
		Geosearch		-				
		CEC		4				
	10	Total Personnel On Site		-				
MAJOR EQUI						EQUIPMENT	/MATERIALS	RECEIVED:
United G25 T4		erator						
Hydroseed car	nnon							
		ack Loader (CEC)						
		or CEC drill cuttings)						
WORK COME			alan ar ar alahan ar ar ar al Alan		\A/: - £			
		ducting hydroseeding and pla Mulch has been placed arour					e central and n	ortneastern
		inue drilling in the southeast		kea aroana pian	ts prior to	riyarosccarig.		
		s on the western portion of sit		on them tomorr	ow mornin	q.		
		·						
HEALTH & SA	\EET\	1.						
		ES's Safe Work Form/Pre-Task	Plan for today, and ve	erifies, by signing	below, th	at these docume	nts comply with	n the
		tent of SES's HASP."	Than for today, and ve	ormes, by signing	j below, til	at these documen	ins comply with	THE
·		// AH.						
AEI Signatur	e	John - Col						
ISSUES/CHA	NGF	S/RESOLUTIONS:						
N/A	INOL	57 KESOLOTTONS.						
DISCUSSION	IS/CI	IENT DIRECTION:						
N/A								



Photo 1: mulch placed around plants (south facing).



Photo 3: Raking done before hydroseed is applied (north).



Photo 2: Wildflower hydroseed spread, outlining pathway and other seed type in the center of the site (north).



Photo 4: Hydroseed and mulch surrounding plants (south).





Photo 5: Hydroseed applied to northern portion of site (north)



Photo 6: Hydroseed applied to western portion of site (west).



oject: ASF Facility anston, RI		DAILY SAFE V	WORK F	ORM No		SES, Sutton, N (Page of _	_)
ite (<u>)</u>							
NP.	mtononoo W	Vork Description					
rvicing or Mai	ntenance v	plementation Project					
escription of vvc	(Deta) (Tin	ne)					
art Date / Time: cation of 180 ork	0 Mill Street	t, Cranston, RI					-
	4-10	emileos Inc (SES)					
rategic Enviro	nmental S	ervices, Inc. (SES)					
imary/Lead Co	mpany ivan	IIE. SES		3			
ontact Person:							
ontact phone #		A dress of the last of the las					
riefing. All person quired <u>daily,</u> and ead, understood, a	as otherwise and will obser	Plan (HASP) Signatures HASP has been made available ing in the project must receive i deemed necessary by the Site ive the contents of this HASP ar		Sate Officer By claning	below, an	i Individual certifies that ig Form.	t he ha
ealth and Safe	ety Meeting	Attandes (Brint)		Company		Initials	·
ate	Name of	Attendee (Print)		CEC		CB	
0////9	Laure	n Baldwin				165	
	0 1	110 (AIST			
0/1/19	Cast	An Coursey		GROSENICH, E		no	
9/1/10	Cont	An Corvey		CROSERCH, E.			
9-1-18 90-1-18	Cont M.D. Redn			Geosenia, E		no	· · · · · · · · · · · · · · · · · · ·
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Visitor Log	that visitors	must furnish their own persona	il achiecens	Geosean, e.	re required noterned w	RD R	and ty issue
Visitor Log It is SES's policy comply with Hea the Designated S	that visitors that and Safety Site Supervisor	must furnish their own persona / Plan requirements. If the visito or shall also immediately notify	il achiecens	quipment. All visitors a a regulatory agency co	re required moderned w	it to sign the visitor log	and ty issue
Visitor Log	that visitors that and Safety Site Supervisor	must furnish their own persona	il achiecens	Geosean, e.		it to sign the visitor log	and by issue
Visitor Log It is SES's policy comply with Hea the Designated S	that visitors that and Safety Site Supervisor	must furnish their own persona / Plan requirements. If the visito or shall also immediately notify	il achiecens	quipment. All visitors a a regulatory agency co		it to sign the visitor log	and ty issue
Visitor Log It is SES's policy comply with Hea	that visitors that and Safety Site Supervisor	must furnish their own persona / Plan requirements. If the visito or shall also immediately notify	il achiecens	quipment. All visitors a a regulatory agency co		it to sign the visitor log	and by issue
Visitor Log It is SES's policy comply with Hea	that visitors that and Safety Site Supervisor	must furnish their own persona / Plan requirements. If the visito or shall also immediately notify	il achiecens	quipment. All visitors a a regulatory agency co		it to sign the visitor log	and ty issue
Visitor Log It is SES's policy comply with Hea the Designated S	that visitors that and Safety Site Supervisor	must furnish their own persona / Plan requirements. If the visito or shall also immediately notify	il achiecens	quipment. All visitors a a regulatory agency co		it to sign the visitor log	and by issue

Project:
BASF Facility
Cranston, RI
Date (

DAILY SAFE WORK FORM

5	SES	
(Page	of)

Date	()				
Туре	of Equi	pment/Vehicles/Motorized Equipment				
		rvice Trailer	Ro	oll-off Tractor Truck		
	Excavat	ors	Ro	oll-off containers		
1	Loader		Du	ımp Truck/Triaxle		
	Track D	ozer \square		ımp Trailers		
	Skid Ste	er Loader	Pic	ckup Utility Trucks		
	Frac Ta	nk 🗆	Su	imp Pump		
1	Generat	or \square	Tr	ench Box		
	Water B	uffalo 🗆	Na	OH Storage Tank		
	Sawzail		Ot	her (list) Hydroseecler		
		so requires the use of the permits or docu	ument	s checked below		
-		T-SPECIFIC HASP				
		IT, TAG-OUT PERMIT				
		K PLANNING FORM				
		D SPACE ENTRY PERMIT				
	THERS	(LIST)				
Antic	ipated	Project Risks and Hazards Identification	Identi	fy the source/s used and include necessary specific		
		See Daily Pre-Task Plan for day-specific infor	rmatio			
Used	N/A	Source		Specific Risk or Hazard that needs to be addressed		
X		Pre-work Inspection of the work site	, - 	See SES HASP		
	X	MSDS review / includes any 'new' chemica	als	MSDS Sheets Provided in HASP		
	X	Crane Operations Elevated Work				
Х	 ^	Environmental Conditions		C OFO HAOD		
X	+			See SES HASP		
	X	Heavy Powered Mobile Equipment Use Language / Communication Difficulties		Excavators to load soil into trucks, truck traffic		
X	 ^	Materials to be used		See Pre-Task Plan		
	X	Overhead Work / Rigging		See Fie-Task Flati		
.,	X	Special Equipment to be used				
Х	 ^	Trenching / Excavation		See SES HASP		
	Х	Utilities System tie-in / restrictions	_	See SES HASP		
X	+~-	Other Risks or Hazards	-	PCB/VOC-contaminated soils: Sodium Persulfate		
	ipated	Project Required Precautions & Protective	e Mea			
		See Daily Pre-Task Plan for day-specific info				
Need		Area		Specific measures that are required		
χ		Access & Egress Plans (People & Equipn	nent)	To be developed on site with SES work crew		
	Х	Barricades needed				
	Х	BASF equipment / materials to be used				
	Х	Electrical safety equipment required				
	Х	Elevator use				
Х		Emergency Equipment		See SES HASP		
X		Emergency Plans / Emergency Responde	er	See SES HASP		
	Х	Fall protection				
Х		First Aid / Medical Treatment provisions		See SES HASP		
	Х	HOT WORK Procedure requirements				
	Х	HVAC System requirements				
	Х	LINE-BREAKING procedure requirements	S			

Project:	
BASF Fac	cility
Cranston,	RI
Date ()

DAILY SAFE WORK FORM

SE	S
(Page _	_ of

See SES HASP
See SES HASP
lentify the source/s used and check the appropriate boxes

Requ	Required Personal Protective Equipment (PPE) Identify the source/s used and check the appropriate boxes							
☐ PF	PE GRI	D ☑ MSDS ☐ BASF Knowledge		Work F	Provider	Knowledge Prior SWP		
YES	NO	ITEM	T	YES	NO	Item		
X		Hardhat (either) ☐ Fiberglass ☒ Plastic			X	Rain Suit ☐ Jacket ☐ Pants		
Х		Safety Glasses, ANZI-rated, side shields	1		X	Chemical Suit		
	X	Goggles ☐ Chemical ☐ Dust			X	Personal Fall Protection Equipment		
	Х	Faceshield	1	X		Gloves		
Х		Hearing Protection ⊠ Plugs ☐ Muffs		X		Long sleeve shirt and steel toed boots with steel shank		
	Х	Respirator Half-mask Full-face		X		Boots ☐ Rubber ☒ Other		
	X	Dust Mask	T		X	Welding Protection		
	Х	Fire Retardant Electrical Clothing			X	Retrieval System for Confined Spaces		
Х		Eyewash Station		X		Mobile phone or radios		
X		Tyvek Suits		Х		Insect repellent, sunscreen		
		Other PPE (list)		Х		High-visibility, reflective vest		

Trainir	ng Req	uirements
Need	N/A	Area
(Me)r	X	BASF Safety Orientation (if required)
X		MSDS Reviews
X		Review of precautions listed above per SES HASP
X		Review of required PPE
		Other training (specify) –
····		
	-	
	<u> </u>	<u> </u>

Project: BASF Facility Cranston, RI Date ()	DAILY SAFE WORK FOR	SES (Page of)	
STRATEGIC ENVIRONMENTAL SERVICES	PROJECT / JOB / TASK (Description): BASF Cranston/CMI Implementation	LOCATION: 180 Mill Street, Cranston, RI	DATE
PRE-TASK PLAN (PTP)	SES SUPERVISOR:	T Orangion, (Vi	

Note: SES Daily Report Forms are completed daily (see attached), documenting work progress, equipment, personnel, weather, issues encountered and resolution, health and safety actions/issues, changes in work conditions, client interface.

Task List (Check off AND Circle today's activities)					
	Task 1 - Permitting				
	Task 2 – Mobilization/Site Prep/Road & Decontamination Road Installation/Erosion Controls				
	Task 3 – Excavation/Decontamination/Soil Stock Piling/Loading/ISCO/Dewatering/Liquid Management				
	Task 4 – Transportation and Disposal of Contaminated Material				
<u> </u>	Task 5 – Backfilling and Grading/Geotextile and Vegetation Placement				
	Task 6 - Demobilization				

Today's Activities (Check Each)	Task Number(s)	ecommended Actions or Hazards	Relative Hazard /Risk Rating*	Hazard Controls Mechanism and/or JSA (See HASP)
	3	Chemical Hazards	NA□ Low□ Medium⊠ High□	B1 Chemical: JSA 10
	3,4,5	Dust/Fumes/Particulates	NA□ Low□ Medium⊠ High□	B2 Dust: JSAs 1,2,4,5,6
A	3,4,5,6	Job Zone Control	NA□ Low□ Medium⊠ High□	B3 Job Zone Control; All JSAs
	3,4,5,6	Heat	NA□ Low□ Medium⊠ High□	B4 Heat: All JSAs
	3,4,5,6	Cold	NA□ Low□ Medium⊠ High□	B5 Cold; All JSAs
	1,3,4,5,6	Severe Weather	NA□ Low□ Medium⊠ High□	B6 Severe Weather: All JSAs
M	3,4,5,6	Walking/Working Surfaces	NA□ Low□ Medium⊠ High□	B7 Safe Walking Surfaces and Work Areas: JSA 1,3,4,7
	4,5,6	Noise	NA□ Low□ Medium⊠ High□	B8 Noise: All JSA's
	5,6	Live Electrical Equipment	NA□ Low⊠ Medium□ High□	B14 Live Electrical Equip: JSA 5,6,9
	4,5	Poor Lighting	NA□ Low⊠ Medium□ High□	B7 Safe Walking Surfaces and Work Areas; JSA 1,3,4,7
	4,5,6	Overhead Hazards	NA□ Low⊠ Medium□ High□	B15 Overhead Hazards: JSA 2,5,6
Ø	3,4,5,6	Traffic Management (Vehicle, pedestrian interference)	NA□ Low□ Medium⊠ High□	B17 Traffic Management: All JSA
Ø	5,6	Heavy machinery/drill rigs	NA□ Low□ Medium⊠ High□	B18 Heavy Machinery: JSA 4,5
_/	5,6	Trenching/Excavation	NA⊠ Low□ Medium⊠ High□	B19 Trenching/Excavation:JSA 4,5,6,8
ď	1,3,4,5,6	Vehicle use	NA□ Low⊠ Medium□ High□	B20 Vehicle Use: All JSA
	2,3	Work near/on water	NA⊠ Low□ Medium□ High□	B21 Work Near/On Water: JSA
	4,5	Elevated heights (<4ft)	NA□ Low⊠ Medium□ High□	B22 Working from Heights (<4 feet)

Project: BASF Facility Cranston, RI Date ()		DAILY SAFE	SES (Page of)	
	4,5	Elevated heights (>4ft)	NA□ Low⊠ Medium□ High□	B23 Working from Heights (:
	5,6	Overhead/underground utilities	NA□ Low□ Medium⊠ High□	B24 Overhead/Underground
	4,5,6	Powered hand tools	NA□ Low⊠ Medium□ Fligh□	Utilities: JSA 1,3,4 B25 Electrically Powered
	4,5,6	Electrically powered equipment	NA□ Low⊠ Medium□ High□	Equipment and Tools: JSA 9 B25 Electrically Powered
	4,5,6	Cutting devices/tools	NA□ Low□ Medium⊠ High□	Equipment and Tools: JSA 9 B26 Cutting Devices/Tools;
1	4,5	Drums, cylinders, containers	NA□ Low⊠ Medium□ High□	JSA 9 B1 Chemical: JSA 4
	3,4,5,6	Material handling, ergonomics	NA□ Low□ Medium⊠ High□	B29 Material Handling/Ergonomics: JSA
	3,5,6	Poisonous/irritating plants	MA□ Low⊠ Medium□ High□	2,6,7,9 B32 Plants and Animals: All JSAs
]	4,5,6 3,5,6	Insects/rodents/snakes	NA□ Low⊠ Medium□ High□	B32 Plants and Animals; All JSAs
		Ticks, mosquitos	NA□ Low⊠ Medium□ High□	B32 Poisonous Plants, Animals, and Insects; All JSA
	1,3,4,5,6	Employees working early/late	NA□ Low⊠ Medium□ High□	B34 Personal Safety: All 1SAs
scription		e overall ranking. Activities, And Associated Health		
· · · · · · · · · · · · · · · · · · ·				

BASF 180 Mill Street, Lot 1102 Cranston, RI

Date	Name	Company Name	Time In	Time out
10/1/14	Lavren Baldun	CEC	6:40	4.30
101119	Caithin Garrey	AEI .	6:40	H:30
Oct 150 150	M. Defenics	George two	7:00	3130
10-1-19	RodnerDean	Geosean	7100	3:38
10/1/19	Chro Racing	Gegleva	7:04	3:30
10/1/19	J Hetner	SES	7:45	1 pm
10/1/19	Marc Washington	All Island	8:50	4.15
10/1/19	MELVIN PORETRO-	All Island	8:50	4:15
10/1/19	Shaye Post	All Island	9:30	4:20
10/1/19	Victor Cornin	All Island	9:30	4:20
				4:20

		DAILY P	ROJECT REPOR	RT			
Project:	BASE	-, Lot 1102	Submitted By:	Joseph Dreba	aum		AEI
	180	Mill Street	Signature:	Chr	C.Coz	(Consultants
	Cran	ston, RI	Date:	10/2/2019			
				5 "			
	Wea	thar:		Daily Precipitation	0"	Temp: <u>76/6</u> 0	Λ
	vvca	Cloudy		rrecipitation	0	(Hi -	
PERSONNEL	/EQU					•	,
Contractor	No.	_		Owner/Repre	sentative:		
		Superintendent					
		Foremen					
		H&S/QA Officer		AEI Personne	el: J. Dr	ebaum	1
		Operators					
		Laborers					
		Other Trades (Surveyor)					
SubContractor	No.	Company/Firm		Visitors On Si	i <u>te:</u>		
					Lauren Baldwin (C	EC)	
	1	Total Personnel On Site					
MAJOR EQUI		NT:			EQUIP	MENT/MAT	ERIALS RECEIVED:
Roll off contail	ner						
United COF TA	IE Cor	aaratar					
United G25 T4	is Ger	<u>lerator</u>					
WORK COMP	OI ETE	:D·					
		eding activities are complete.					
		itoring of wells in southern par	t of site.				
	_						
AEI completed	a so	il erosion and sediment contro	I plan inspection. No	issues noted.			
AFI/SES to sch	nedule	e a full demobilization once pu	nchlist tasks complete	ed.			
, 121, 020 (0 00.	ioddi	o a ran domosmization once pa	nomet taeke complete	341			
HEALTH & SA	VEET.	V·					
		ES's Safe Work Form/Pre-Task	Plan for today, and v	verifies, by siar	ning below, that the	ese documen	ts comply with the
		itent of SES's HASP."	3 .	, , ,	<i>y</i> ,		1 3
AEI Signatu	ro	Jan Cox					
AEI Signatu	re						
	NGE	S/RESOLUTIONS:					
N/A							
DISCUSSION	10 /01	LIENT DIDECTION.					
N/A	43/C	LIENT DIRECTION:					



Photo 1: Drum storage generated from CEC activities. (facing south west).



Photo4: Crushed rock and stone dust pad with CEC installed injection wells. (facing south).



Photo 2: Plantings surrounding retention pond area with hydroseed and mulch (facing west).



Photo 5: plantings and hydroseed along walking path. (facing north west).



Photo 3: Hydroseed showing original areas that were hydroseeded (brown) vs newer hydroseed areas (green). (facing north).



Photo 6: Electrical hand holes for treatment system electronics showing uncovered conduit. (facing south).



		SESC	Plan I	nspection Report			
	Mary		Projec	et Information		ħ	
Name Former Ciba-Geigy Facility							
Location	Location 180 Mill St. Cromston, PI (Plat 4, Lot 1102)						
DEM Perm	it No.	18-0048					
Site Owne	Site Owner Joseph Guarnaccia 973-245-5769 Email incoh evanor in other						
Site Opera	itor	Name Ryan Gadoury		Phone 508-612-2339	joseph guarna ocial bast.	1	
			Inspecti	on Information	rgadoury@strategic-es.com		
Inspector	Name	Aaron C. Tio		Phone 978-577-7138	Email		
Inspection	Date	KA (T	19	Start/End Time 0 9:30	ating eaciconsultants.	COM	
Inspection		orm event Dur	ing stor	0 1.10	10:00		
		onn ovent a par		m event	nt 🗆 Other		
Last Rain I		Duration (hrs):	700 m - 100	Approximate Rainfall (in):	017		
1 1 -	e Location & So	urce:		State Ainfort			
Weather at	time of this Insp	pection:		2.47.6 744.007		_	
🖾 I, as the	designated Insp	es then sign and da	is site h	as been increated as mani-	d by regulation and I have		
I, as the made the d	designated Insp	ce and corrective at ector, certify that th	ctions a	re not required at this time.			
Inspector:	Inspector: Joseph Drebaum Signature Date 10/2/19						
	aranta aciditati ica	ues mar an imignin	nannan	the receipt of this SESC Plan corrective actions must be co pection report per applicable	inspection report and its		
Operator:	Ryan Gadour	Sig	nature	Percent per applicable	Date 10/2/2019		
	608 III	0		9)			

Site-specific Control Measures

Number the structural and non-structural stormwater control measures identified in the SESC Plan and on the SESC Site Plans and list them below (add as necessary). Bring a copy of this inspection form and any applicable SESC Site Plans with you during your inspections. This list will assist you to inspect all control measures at your site. FILL THIS TABLE USING THE SESC PLAN TABLES 2.11 & 3.12.

	Location/Station	THE SESC PLAN TABLES 2.1 Control Measure Description	Installed & Operating Properly?	Assoc. Photo/ Figure #	Corrective Action Needed (Yes or No; if 'Yes', please detail action required)
1	Construction Site exit include decon. pad	RIDOT Std Specs. BI Soil Brosion and Sed. Control book	□Yes ☑No		no dean pad Site restantion Complete
2	Project-wide including material stretepiles	Penmeter - compost filter socks (Riber 9.2.0, Stockpiles_halpbales	☑Yes □No		no stack piles Filter socks in place along niver and Nos properly poundaries
3	Project-wicle including material stockpiles	RIDOT Std Spec-204, 212 RI SESC Handbook Water for dust control/cover Stockpiles RIDOT Std Spec RISESC Handbook	□Yes ŒNo		Site restantion complet
4	Adjacent roads	Roads adjacent to construction site 6hall be clean at the end of each day	©Yes □No		No vehicles on on oft, site restoration Complete
5	Project-wide	Pickeup construction trash/debris	☑Yes □No		Site restoration complete Deprob activities finishing u
6	Project-wide	Spill prevention / Spill containment measures	☑Yes □No		5. te restigation complete
7			□Yes □No		
8			□Yes □No		

PROJECT: 186 MIN ST Cranslan AD

INSPECTION DATE:

0/2/19

General Site Issues

Below are some general site issues that should be assessed during inspections. Please **customize** this list as needed for conditions at the site.

	Compliance Question		Assoc. Photo/ Figure #	Corrective Action Needed (If 'Yes', please detail action required and include location/station)
1	Have all control measures been installed as specified in the RISESC Handbook and prior to any earth disturbing activities?	©Xes □No		morado jodanomstation)
2	Are appropriate limits of disturbance (LOD) established?	☑Yes □No □ N/A		
3	Are controls that limit runoff from exposed soils by diverting, retaining, or detaining flows (such as check dams, sediment basins, etc.) in place?	□Yes □No		
4	Are all temporary conveyance practices installed correctly and functioning as designed?	☐Yes ☐No		
5	Has maintenance been performed as required to ensure continued proper function of all temporary conveyances practices?	□Yes □No ☑N/A		
6	Were all exposed soils seeded by October 15 th ?	☐Yes ☐No ☐ N/A		Seed emplaced by 10/1.
7	Have soils been stabilized where earth disturbance activities have permanently or temporarily ceased on any portion of the site and will not resume for more than 14 days?	©Yes □No □ N/A		Hydro seed and Filter Socks in place
3	In instances where adequate vegetative stabilization was not established by November 15 th , have non-vegetative erosion control measures must be employed?	□Yes □No □/N/A		
)	If work is to continue from October 15 th through April 15 th , are steps taken to ensure that only the day's work area will be exposed and all erodible soil is stabilized within 5 working days?	□Yes □No ŪM/A		
0	Have inlet protection measures (such as fabric drop inlet protection, curb drop inlet protection, etc.) been properly installed?	□Yes □No □/N/A		
1	Has the operator cleaned and maintained inlet protection measures when needed?	□Yes □No □∕N/A		
2	Has the operator removed accumulated sediment adjacent to inlet protection measures within 24 hours of detection?	□Yes □No □ N/A		

	Compliance Question			Assoc. Photo/ Figure #	Corrective Action Needed (If 'Yes', please detail action required and include location/station)
13	Has the operator properly installed outlet protection (such as riprap, turf mats, etc.) at all temporary and permanent discharge points?	□Yes □⁄N/A	□No	i iguic #	and include location/station)
14	Are all outlet protection measures functioning properly in order to reduce discharge velocity, promote infiltration, and eliminate scour?	□Yes □ N/A	□No		,
15	Have all discharge points been inspected to ensure the prevention of scouring and channel erosion?	☐Yes ☐ N/A	□No		
16	Have sediment controls been installed along perimeter areas that will receive stormwater from earth disturbing activities?	□Yes □•N/A	□No		
17	Is the operator maintaining sediment controls in accordance with the requirements in the RI SESC Handbook?	□Yes □-Ń/A	□No		
18	Have temporary sediment barriers been installed around permanent infiltration areas (such as bioretention areas, infiltration basins, etc.)?	□Yes □YN/A	□No		
19	Have staging areas and equipment routing been implemented to avoid compaction where permanent infiltration areas will be located?	☐Yes ☑ N/A	□No		
20	Are surface outlet structures (such as skimmers, siphons, etc.) installed for each temporary sediment basin? [Exception: frozen conditions]	☐Yes ☐/N/A	□No		
21	Have all temporary sediment basins or traps been inspected and maintained as required to ensure proper function?	□Yes □•N/A	□No		
22	Does the project include the use of polymers, flocculants, or other chemicals to control erosion, sedimentation, or runoff from the site?	□Yes □∕N/A	□No		
23	Are all chemicals being managed in accordance with Appendix J of the RISESC Handbook and current best management practices?	□Yes □ N/A	□No		
24	Has the site operator taken steps to prohibit the following pollutant discharges on the site?				
а	Contaminated groundwater.	□Yes □N/A	□No		

	Compliance Question		Assoc. Photo/ Figure #	Corrective Action Needed (If 'Yes', please detail action required and include location/station)
b	Wastewater from washout of concrete; unless properly contained, managed, and disposed of.	□Yes □No □ N/A		
С	Wastewater from washout and cleanout of stucco, paint, form release oils, curing compounds, and other construction products.	□Yes □No □N/A		
d	Fuels, oils, or other pollutants used in vehicle and equipment operation and maintenance.	□Yes □No □N/A		
е	Soaps or solvents used in vehicle and equipment washing.	□Yeş □No □N/A		
f	Toxic or hazardous substances from a spill or other release.	□Yes □No □/N/A		
25	Is the operator using properly constructed entrances/exits to the site so sediment removal occurs prior to vehicles exiting?	□Yes □No □N/A		
26	If needed, are additional controls (such as rumble strips, rattle plates, etc.) in place to remove sediment from tires prior to exiting?	□Yes □No □ N/A		
27	Is sediment track-out being removed by the end of the same workday in which it occurs (via sweeping, shoveling, or vacuuming)?	□Yes □No □N/A		
28	Are all wastes generated at the site being managed and properly disposed of by the end of each workday?	□Yes □No □/N/A		
29	Are all chemicals and hazardous waste materials stored properly in covered areas and surrounded by containment control systems?	□Yes □No □N/A		
30	Has the operator established highly visible locations for the storage of spill prevention and control equipment on the construction site?	□Yes □No □ N/A		
31	Are allowable non-stormwater discharges being managed properly with adequate controls?	☐Yes ☐No ☐N/A		
32	Is the site operator properly managing groundwater or stormwater that is removed from excavations, trenches, or similar points of accumulation?	□Yes □No □/N/A		
33	Are proper procedures and controls in place for the storage of materials that may discharge pollutants if	□Yes □No ≌∕Ñ/A		

Compliance Question			Assoc. Photo/ Figure #	Corrective Action Needed (If 'Yes', please detail action required and include location/station)
exposed to stormwater?				
Are stockpiles located wit limits of disturbance?	hin the	□No		
Are stockpiles being prote contact with stormwater u temporary sediment barries	sing a er? Ū∕N/A	□No		
Where needed, has cover appropriate temporary verstructural stabilization beef for stockpiles?	getative or utilized \(\sigma \text{N/A}\)	□No		
Is the operator effectively the generation of dust throuse of water, chemicals, of minimization of exposed s	ough the DVN/A	□No		
Are designated washout a as wheel washing stations for concrete, paint, stucco clearly marked on the site	s, washout , etc.) N/A	□No	and the first of Artificial Residence of the second second second second second second second second second se	
Are vehicle fueling and ma areas properly located to pollutants from impacting and sensitive receptors?	prevent	□No		
(Other)				

PROJECT: 140 MILL ST Cranton RI INSPECTION DATE: 10 /d/19

General Field Comments:

Photos:

Photo #: 1



Station: Northern side of site

Description: Staked CFS along eastern property boundary adjacent to Pawtuxet River.

Photo #: 2



Station:

Description: Staked CFS along eastern property boundary; adjacent to river

Photo #: 3



Station:

Description: Staked CFS along eastern property boundary; adjacent to Pawtuxet river

Photo #: 4

Description: CFS not replaced in active work area where CEC performing drilling and monitoring activities

(insert Photo here)

Project: BASF, Lot 1102 Submitted By: Richard Kowalski 180 Mill Street Signature: Cranston, RI Daily Temp: 40-52 F Weather: Light Rain Precipitation: < .25" (Hi - low) PERSONNEL/EQUIPMENT Contractor Owner/Representative: Superintendent 1 Foremen SES H&S/QA Officer AEI Personnel: R Kowalski Operators Laborers Other Trades SubContractor No. Company/Firm Visitors On Site: 6 KCI Paving 8 tota MAJOR EQUIPMENT: **EQUIPMENT/MATERIALS RECEIVED:** 4.5 tons of hot asphalt Dump truck, mini excavator, mobile compactor WORK COMPLETED SES's subcontrator KCI Paving prepared the damaged asphalt area to remove broken ashphalt and saw cut the edges. Hot asphalt was spread across the prepared area using wheel barrows and rakes and compacted with a portable vibratory compactor. The temporary fence was re-arranged and an extra panel was added to extend the fence out across the repaired area to protect the asphalt from truck traffic until the pavement cures. HEALTH & SAFETY: Morning tailgate meeting to discuss safety topics, which included: use of hard hats, safety vests, traffic on Mill Street, hand protection, location of AEI HASP. AEI has reviewed SES's Safe Work Form/Pre-Task_Plan for today and verifies, by signing below that these documents comply with the procedures and content of SES's HASP. AEI Signature: ISSUES/CHANGES/RESOLUTIONS: DISCUSSIONS/CLIENT DIRECTION: None





Photo 1: SES/KCI restoring the sub-base prior to emplacing new asphalt in area designated for repair (facing south).

Photo 3: Overview of newly installed asphalt (facing south).

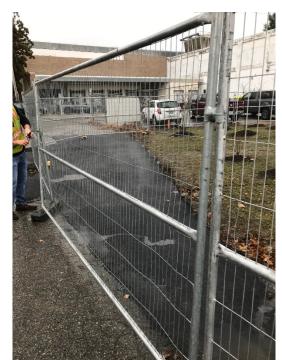


Photo 2: Repaired asphalt pavement. SES/AEI adjusting temporary fence to protect newly installed asphalt (facing north).



Project:	
BASF Facilit	ty
Cranston, RI	
Date ()

DAILY SAFE WORK FORM No._

SES, Sutton, MA (Page __ of __)

Servicing or Ma Description of W		ementation Project			1
Start Date / Time	: (Date) (Time	11/22/19	1030		
Location of 18	0 Mill Street, C	cranston, RI			
Work					
Strategic Enviro					
Primary/Lead Co					
Contact Person:	Ryan C	acteury			
Contact phone #	508-61	2-83391			
		(HASP) Signatures			
Sign-off sheet attes	ting that the HAS	P has been made available and	reviewed by the individual pr	rior to entry into the site, and/or daily H on. Thereafter, a tailgate safety meeting	&S
required daily, and	as otherwise dee	med necessary by the Site Healt	h and Safety Officer. By sign	ning below, an individual certifies that h	e has
read, understood, a	nd will observe t	ne contents of this HASP and Da	ily Safe Work Form with Pre	-Task Planning Form.	
Health and Safe					
Date	Name of Atte	ndee (Print)	Company	Initials	
11/22/19	Ruan	Gadary	SES	RG	
11/20/19	Stevi	on J Fennlessy	KCI	85-	
11/22/19	Robins	on Don's	KCI	Sego Con	
11/22/19	to any	Sanchic	KCI	D. J. J.	
11/22/19	(van	19 (anci-8)	.VIT	P	
11/22/19	Edmilse	Rodricues	KGI	ER	
1/180/19	1950	Caprille	XCT	TC	
1/22/19	Book	Kourd 514	AB1	Mn	
7		,	, ,-,	/	
Visitor Log					
				are required to sign the visitor log and	
the Designated Site	and Safety Plan	requirements. If the visitor repre also immediately notify HSC.	sents a regulatory agency co	oncerned with site health and safety iss	sues,
Name of Visitor (Company Name	Date of Visit	Signature	
Traine of Violet	r milej	Company Hame			
					1
				1	
				5	
				1	1
				1	

Project:
BASF Facility
Cranston, RI
Date (

S	ES	
(Page	of)	

Type (of Equi	pment/Vehicles/Motorized Equipment	
	ield Se	rvice Trailer	Roll-off Tractor Truck
E	xcavat	ors	Roll-off containers
	oader		Dump Truck/Triaxle
ПТ	rack D	ozer 🔲 🗓	Dump Trailers
			Pickup Utility Trucks
	rac Tai		Sump Pump
	Generat		Trench Box
	Vater B		NaOH Storage Tank
=	Sawzail		Other (list) portable compactor
	Jawzan		Strict (not)
This v	vork ale	so requires the use of the permits or docume	nts checked below
		T-SPECIFIC HASP	
		JT, TAG-OUT PERMIT	
		K PLANNING FORM	
		ED SPACE ENTRY PERMIT	
	THERS		
	ITILINO	(LIOT)	
Antici	nated I	Project Risks and Hazards Identification Iden	tify the source/s used and include necessary specific
		See Daily Pre-Task Plan for day-specific informat	
Used	N/A	Source	Specific Risk or Hazard that needs to be addressed
X	14//	Pre-work Inspection of the work site	See SES HASP
X		MSDS review / includes any 'new' chemicals	MSDS Sheets Provided in HASP
^	X	Crane Operations	MIODO Officeto i Tovidoù III TIAOI
	X	Elevated Work	
v	^	Environmental Conditions	See SES HASP
X	-		
X	_	Heavy Powered Mobile Equipment Use	Excavators to load soil into trucks, truck traffic
v	X	Language / Communication Difficulties	One But Tools Bloom
X	V	Materials to be used	See Pre-Task Plan
	X	Overhead Work / Rigging	
	X	Special Equipment to be used	
X		Trenching / Excavation	See SES HASP
	X	Utilities System tie-in / restrictions	
X		Other Risks or Hazards	PCB/VOC-contaminated soils; Sodium Persulfate
		Project Required Precautions & Protective Me	
		See Daily Pre-Task Plan for day-specific information	
Need	N/A	Area	Specific measures that are required
X			To be developed on site with SES work crew
	X	Barricades needed	
	X	BASF equipment / materials to be used	
	X	Electrical safety equipment required	
	X	Elevator use	
X		Emergency Equipment	See SES HASP
Χ		Emergency Plans / Emergency Responder	See SES HASP
	X	Fall protection	
Χ		First Aid / Medical Treatment provisions	See SES HASP
	X	HOT WORK Procedure requirements	
	X	HVAC System requirements	
	X	LINE-BREAKING procedure requirements	
	X	Scaffolds / decking	
Χ		Temporary electrical power	See SES HASP
	X	Temporary Utilities services	
X	1	Trench / Excavation Boxes	See SES HASP
			1

Project:	
BASF Facili	ity
Cranston, RI	
Date ()

SE	ES	
(Page _	_ of _	_)

	T	Other Requirements			
		Other Requirements			
Pegui	irad Da	ersonal Protective Equipment (PPE) Identify the so	urce/e u	sed and	I check the appropriate hoves
	PE GRI				ler Knowledge Prior SWP
YES	NO	ITEM	YES	NO	Item
X	110	Hardhat (either) ☐ Fiberglass ☒ Plastic	120	X	Rain Suit Jacket Pants
X		Safety Glasses, ANZI-rated, side shields		X	Chemical Suit Jacket Pants
	Х	Goggles		X	Personal Fall Protection Equipment
	X	Faceshield	X		Gloves
X		Hearing Protection ⊠ Plugs ☐ Muffs	X		Long sleeve shirt and steel toed boots with steel shank
	X	Respirator	X		Boots ☐ Rubber ☐ Other
	Х	Dust Mask		Х	Welding Protection
	X	Fire Retardant Electrical Clothing		Х	Retrieval System for Confined Spaces
X		Eyewash Station	X		Mobile phone or radios
X		Tyvek Suits	X		Insect repellent, sunscreen
		Other PPE (list)	X		High-visibility, reflective vest
		quirements			
Need	N/A	Area			
*	X	BASF Safety Orientation (if required)			
X		MSDS Reviews			
X		Review of precautions listed above per SES HAS	P		
X		Review of required PPE			
		Other training (specify) –			
	-				
	-				

Project:	
BASF Facility	
Cranston, RI	
Date (

S	ES	
(Page	of)

STRATEGIC	PROJECT / JOB / TASK	LOCATION:	DATE
ENVIRONMENTAL	(Description):	180 Mill Street,	
SERVICES	BASF Cranston/CMI Implementation	Cranston, RI	11/22/19
PRE-TASK PLAN	SES SUPERVISOR:		
(PTP)	Ryan Gadocky		,

Note: SES Daily Report Forms are completed daily (see attached), documenting work progress, equipment, personnel, weather, issues encountered and resolution, health and safety actions/issues, changes in work conditions, client interface.

Task List	Check off AND Circle today's activities)
	Task 1 - Permitting
	Task 2 – Mobilization/Site Prep/Road & Decontamination Road Installation/Erosion Controls
	Task 3 – Excavation/Decontamination/Soil Stock Piling/Loading/ISCO/Dewatering/Liquid Management
	Task 4 – Transportation and Disposal of Contaminated Material
	Task 5 – Backfilling and Grading/Geotextile and Vegetation Placement
Z	Task 6 - Demobilization

Tasks, Potential Hazards, and Recommended Actions or Procedures				
Today's Activities (Check Each)	Task Number(s)	Hazards	Relative Hazard /Risk Rating*	Hazard Controls Mechanism and/or JSA (See HASP)
	3	Chemical Hazards	NA Low Medium High □	B1 Chemical: JSA 10
	3,4,5	Dust/Fumes/Particulates	NA Low Medium High □	B2 Dust: JSAs 1,2,4,5,6
	3,4,5,6	Job Zone Control	NA ☐ Low ☐ Medium ☐ High ☐	B3 Job Zone Control; All JSAs
	3,4,5,6	Heat	NA□ Low□ Medium⊠ High□	B4 Heat: All JSAs
	3,4,5,6	Cold	NA□ Low□ Medium⊠ High□	B5 Cold; All JSAs
	1,3,4,5,6	Severe Weather	NA ☐ Low ☐ Medium ☐ High ☐	B6 Severe Weather: All JSAs
	3,4,5,6	Walking/Working Surfaces	NA□ Low□ Medium⊠ High□	B7 Safe Walking Surfaces and Work Areas: JSA 1,3,4,7
<u>e</u>	4,5,6	Noise	NA□ Low□ Medium⊠ High□	B8 Noise: All JSA's
	5,6	Live Electrical Equipment	NA□ Low⊠ Medium□ High□	B14 Live Electrical Equip: JSA 5,6,9
	4,5	Poor Lighting	NA□ Low⊠ Medium□ High□	B7 Safe Walking Surfaces and Work Areas; JSA 1,3,4,7
	4,5,6	Overhead Hazards	NA□ Low⊠ Medium□ High□	B15 Overhead Hazards: JSA 2,5,6
	3,4,5,6	Traffic Management (Vehicle, pedestrian interference)	NA□ Low□ Medium□ High□	B17 Traffic Management: All JSA
	5,6	Heavy machinery/drill rigs	NA□ Low□ Medium⊠ High□	B18 Heavy Machinery: JSA 4,5

Project:	
BASF Facili	ty
Cranston, RI	
Date ()

SE	ES		
(Page _	_ of	_	_)

Tasks, Poter Today's Activities (Check Each)	ntial Hazards, and R	ecommended Actions or Hazards	Procedures Relative Hazard /Risk Rating*	Hazard Controls Mechanisn and/or JSA (See HASP)	
	5,6	Trenching/Excavation	NA⊠ Low Medium High	B19 Trenching/Excavation:JSA 4,5,6,8	
	1,3,4,5,6	Vehicle use	NA Low Medium High □	B20 Vehicle Use: All JSA	
	2,3	Work near/on water	NA⊠ Low Medium High	B21 Work Near/On Water: JSA	
	4,5	Elevated heights (<4ft)	NA☐ Low☑ Medium☐ High☐	B22 Working from Heights (<4 feet)	
	4,5	Elevated heights (>4ft)	NA☐ Low☑ Medium☐ High☐	B23 Working from Heights (>4 feet)	
	5,6	Overhead/underground utilities	NA☐ Low☐ Medium☐ High☐	B24 Overhead/Underground Utilities: JSA 1,3,4	
	4,5,6	Powered hand tools	NA□ Low⊠ Medium□ High□	B25 Electrically Powered Equipment and Tools: JSA 9	
	4,5,6	Electrically powered equipment	NA□ Low⊠ Medium□ High□	B25 Electrically Powered Equipment and Tools: JSA 9	
	4,5,6	Cutting devices/tools	NA☐ Low☐ Medium☑ High☐	B26 Cutting Devices/Tools; JSA 9	
	4,5	Drums, cylinders, containers	NA□ Low⊠ Medium□ High□	B1 Chemical: JSA 4	
	3,4,5,6	Material handling, ergonomics	NA□ Low□ Medium⊠ High□	B29 Material Handling/Ergonomics: JSA 2,6,7,9	
	3,5,6	Poisonous/irritating plants	NA☐ Low☑ Medium☐ High☐	B32 Plants and Animals: All JSAs	
	4,5,6	Insects/rodents/snakes	NA□ Low⊠ Medium□ High□	B32 Plants and Animals; All JSAs	
	3,5,6	Ticks, mosquitos	NA□ Low⊠ Medium□ High□	B32 Poisonous Plants, Animals, and Insects; All JSA	
	1,3,4,5,6	Employees working early/late	NA□ Low⊠ Medium□ High□	B34 Personal Safety; All JSAs	
		Note: A single hazard may be listed under several Tasks. In this case, use the highest Severity ranking of the tasks evaluated as the overall ranking.			
-			h and Safety Risks and Protective	Procedures/Equipment:	

Project: BASF Facility Cranston, RI Date ()	DAILY SAFE WORK FORM	SES (Page of)

Former Ciba-Geigy Facility 180 Mill Street, Cranston, Rhode Island Plat 4, Lot 1102

Daily Sign-In Sheet

Name	Company	Time In	Time Out
Ryan Gadovaj	SES	9:30 am	2:40 PM
Steve Fennessy	KCI	930 am	225 PM
Robinson Donis	KCI	1:00 Pm	2:25 PM
Dany Sanchee	Kcl	1:00.Pm	7:23
Prens Touch	1017	10:30	250m
Ednilsa Rodrigo	~ KCZ	10:30	2:25 PA
Sonon Juleu	KI	2a	2:25
Risk Konds Ki	AE1	\$ 120	2140
E.S.	•		
	98	· ·	

APPENDIX C Photographic Documentation





Photo 1: SES clearing site using skid steer with brush hog attachment (facing southeast).



Photo 2: Performing decontamination of brush hog attachment and skid steer tires (facing southeast).



Photo 3: Survey and staking of excavation areas. Flagging color designates soil types (orange = non-TSCA soils) (facing north).



Photo 4: Perimeter air monitoring equipment utilized during entire course of work (facing northeast).





Photo 5: Totalizing weather station used to collect temperature, wind, and rainfall data (facing southwest).



Photo 6: Silt fence installed along the riverway (facing northeast).



Photo 7: Compost filter sock installed along the perimeter boundary between the site and Safety Kleen (facing west).



Photo 8: Trash receptacles for containing construction solid waste and project recyclable materials (facing southwest).





Photo 9: SES assisting New England Geotech with removal of monitoring wells (facing south).



Photo 10: Former monitoring well location filled with bentonite grout to the surface in accordance with RI monitoring well decommissioning standards (facing northwest).



Photo 11: Clearing trees and large shrubs along the Mill Street property boundary using CAT 321C excavator (facing northwest).



Photo 12: Temporary stockpile area for non-TSCA soils prepared on Lot 1102 (facing north).





Photo 13: Clearing of Lot 2682 (across street from site) to prepare laydown and stockpile area for TSCA soils (facing west).



Photo 15: Construction entrance leading to asphalt pavement. Stone underlain with filter fabric (facing west).



Photo 14: SES preparing stockpile laydown area and loading zone for TSCA soils (facing west).



Photo 16: Decontamination pad constructed of stone overlaying impermeable liner and surrounded by straw wattle (facing southwest).





Photo 17: Removing chain link fence along property boundary. Metal from fence was added to metal recycling stockpile (facing northwest).



Photo 18: Installed temporary chain link fencing along Mill Street property boundary (facing north).



Photo 19: SES excavating soils and loading into loader bucket for transport to the soil stockpile areas. Poly sheeting placed beneath loader bucket to capture falling soils (facing northwest).



Photo 20: Excavating soils along the Mill Street property boundary. SES using water to suppress dust generation (facing south).





Photo 21: Numerous large concrete structures, foundation walls and slabs encountered (facing southeast).



Photo 23: SES excavating PCB-impacted soils located in the FEMA floodway (facing south).



Photo 22: Large, approx. 24-inch diameter pipe, presumed to be part of the former facility stormwater drainage system. Pipe was left in place (facing south).



Photo 24: Covered non-TSCA soils awaiting off-site transport to RIRRC in Johnston, RI (facing northeast).





Photo 25: SES managing TSCA soil stockpile on Lot 2682 (facing west).



Photo 27: SES loading cleared debris into trailer for transport to the G. Lopes facility in Raynham, MA (facing north).



Photo 26: SES excavating and hammering concrete in deep excavation (facing west).



Photo 28: AEI preparing to collect PCB samples from excavator bucket (facing northwest).





Photo 29: AEI collecting concrete samples post excavation (facing northeast).



Photo 31: Dewatering deep excavation using trash pumps; water being transferred via hosing to filtration/carbon system and frac tanks (facing west).



Photo 30: Managing open excavations using orange safety fencing and caution tape (facing southwest).



Photo 32: Microfiltration units (facing southeast).





Photo 33: Carbon system treating water stored in frac tanks [background] (facing north).



Photo 34: Treated groundwater being transported offsite by JP Noonan to the Global facility in Taunton, MA.



Photo 35: New England Geotech coring through concrete prior to geoprobing to sample the floodway area for characterization to RIDEM remediation standards (facing east).



Photo 36: Test pit conducted in floodway to characterize soils to RIDEM remediation standards (facing south).





Photo 37: Boring location that could not be test pitted via excavator due to shallow concrete (facing east).



Photo 39: Large quantities of debris, i.e., rebar, concrete, brick and steel in excavations (facing west).



Photo 38: Excavating impacted soils from floodway that exceeded the RIDEM remediation standards. Soil were utilized as onsite backfill (facing northeast).



Photo 40: Large concrete structures uncovered while excavating in the FEMA floodway (facing northeast).





Photo 41: Brick lined vault located in the central portion of the site. Vault terminated on concrete, which was subsequently removed to access soil beneath (facing west).



Photo 43: SES segregating debris from soil using screener (facing north).



Photo 42: Excavating a deep excavation in the north central portion of the site. Deep excavation terminated on a concrete slab (facing south).



Photo 44: SES loading trailers with non-TSCA soils (facing northeast).





Photo 45: Excavation designated for re-digging due to post excavation samples above the MPS (facing west).



Photo 46: TP-5 excavation after heavy rainfall. Water depth is approximately 6-7 feet bgs (facing east).



Photo 47: Deadman located within TP-5 excavation. Note steel bars that are pinned presumably into the steel sheeting along the riverway (facing south).



Photo 48: TP-5 excavation being dewatered using two trash pumps. SES attempting to remove soils behind deadman (facing southeast).





Photo 49: TP-5 being dewatering using 6-inch pump (facing east).



Photo 51: Groundwater being transferred to one of the 50,000 gallon frac tanks for storage prior to treatment (facing west).



Photo 50: Three 50,000 gallon frac tanks to dewater TP-5 (facing west).



Photo 52: SES redigging TP-5 following dewatering efforts (facing east).





Photo 53: SES continuing to redig TP-5 to a target depth of 15-feet bgs (facing southwest).



Photo 55: SES breaking concrete structures located in the "wedge" cut along the property boundary (facing southwest).



Photo 54: Following removal of soils and post excavation sampling, SES commences backfilling of excavation using imported compliant soils (facing southwest).



Photo 56: Concrete structures encountered on the northeast side of the property in the Floodway. Water contained inside the structure is rainwater (facing northeast).





Photo 57: SES loading lined railcars with TSCA soils (facing northeast).



Photo 59: SES removing soil following concrete removal to prepare the "wedge" cut (facing west).



Photo 58: SES sawcutting concrete so "wedge" cut along property boundary can be installed (facing northeast).



Photo 60: Uncovered catch basin located in floodway. Catch basin was left in place and soils removed around it (facing east).





Photo 61: SES attempting to uncover the former septic tank. Was not located (facing west).



Photo 63: AEI monitoring air via PID around the excavation during SWMU-11 excavation (facing north).



Photo 62: SWMU-11 excavation. All personnel in Level C. SES spraying Biosolve (odor suppressant) during work (facing southeast).



Photo 64: SES advancing SWMU-11 to groundwater table [6-feet bgs] (facing north).





Photo 65: LRT mixing sodium persulfate to mix into open excavation (facing west).



Photo 67: SES mixing sodium persulfate into groundwater using excavator bucket (facing north).



Photo 66: Injecting sodium persulfate (facing northwest).



Photo 68: SWMU-8 advanced to target depth [7-feet bgs] (facing northeast).





Photo 69: SES removing PCB-impacted soils from an excavation adjacent to TP-5. Excavation required extensive dewatering and depth (facing southwest).



Photo 70: Geotextile fabric being delivered (facing west).



Photo 71: SES emplacing impermeable liner (facing west).



Photo 72: SES adjoining separate impermeable liner panels using an asphaltic spray (facing southwest).





Photo 73: Closeup of sealed impermeable liner panels (facing west).



Photo 75: Uncovered manhole filled with water when excavating near floodway. Manhole was recovered and secured (facing east).



Photo 74: Large Tree being removed via crane by Warwick Tree (facing north).



Photo 76: SES emplacing geotextile fabric (facing east).





Photo 77: SES emplacing processed gravel over geotextile fabric (facing west).



Photo 79: SES compacting processed gravel using vibratory roller (facing southwest).



Photo 78: SES grading processed gravel over geotextile fabric (facing east).



Photo 80: SES beginning process of decontaminating operating equipment and frac tanks (facing west).

